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TULANE UNIVERSITY OF LOUISIANA.

1894-5.

NEW ORLEANS, LA.

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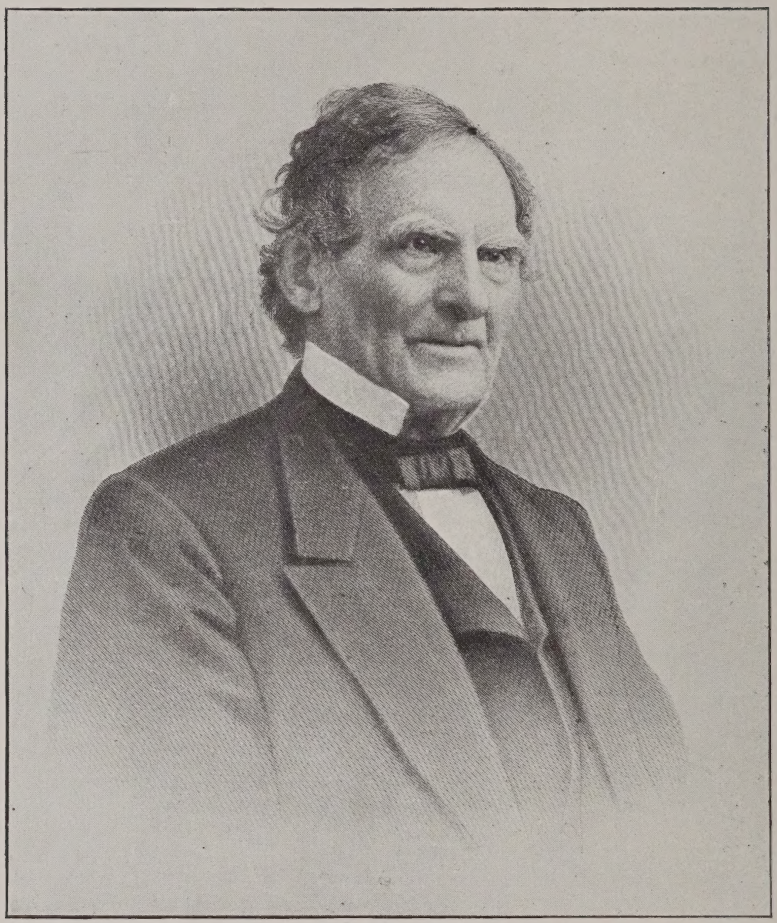

PAUL TULANE,

FOUNDER OF TULANE UNIVERSITY,

BORN, MAY 6TH, 1801. DIED, MARCH 27TH, 1887.

TULANE UNIVERSITY OF LOUISIANA.

UNIVERSITY DEPARTMENT,
COLLEGE OF ARTS AND SCIENCES,
COLLEGE OF TECHNOLOGY,
H. SOPHIE NEWCOMB MEMORIAL COLLEGE FOR WOMEN,
LAW DEPARTMENT,
MEDICAL DEPARTMENT.

CATALOGUE 1893-94.

ANNOUNCEMENT FOR 1894-95.

NEW ORLEANS:
1894.

CALENDAR.

SESSION OF 1894–95.

1894.

Friday and Saturday, September 28 and 29,	Entrance Examination for College of Arts and Sciences, College of Technology, and H. Sophie Newcomb Memorial College.
Monday, October 1,	Fall term begins.
Thursday, October 18,	Department of Medicine opens.
Monday, November 19,	Department of Law opens.
Monday, December 24,	Christmas Holidays begin.

1895.

Wednesday, January 2,	Winter term begins in College of Arts and Sciences, College of Technology, and H. Sophie Newcomb Memorial College.
Tuesday, March 26,	Spring term begins.
Wednesday, April 17,	Commencement of the Medical Department.
Saturday, May 11,	Commencement of the Law Department.
Wednesday, June 19,	Commencement of the H. Sophie Newcomb Memorial College.
Thursday, June 20,	Commencement of the Colleges of Arts and Sciences, and of Technology.

BOARD OF ADMINISTRATORS.

Charles Erasmus Fenner, President.
James McConnell, First Vice President.
Edward Douglas White (United States Supreme Court), Second Vice President.
Edgar Howard Farrar.
Benjamin M. Palmer, D. D., LL. D.
Walter Robinson Stauffer.
Cartwright Eustis.
Henry Ginder.
John Timmons Hardie.
Robert Miller Walmsley.
Joseph C. Morris.
George Quintard Whitney.
Leonard Matthews Finley.
John B. Levert.
Charles J. Bickham, M. D.
Walter C. Flower.

EX-OFFICIO.

Murphy J. Foster, Governor of Louisiana.
John Fitzpatrick, Mayor of New Orleans.
A. D. Lafargue, State Superintendent of Public Education.

OFFICERS.

Wm. Preston Johnston, LL. D., President of the University.
Wm. O. Rogers, LL. D., Secretary of the University.
Joseph A. Hincks, Treasurer and Secretary of Board.
Charles G. Gill, A. M., Ph. D., Librarian.
Richard K. Bruff, Assistant Secretary.
Miss Minnie Bell, Assistant Librarian.

TULANE UNIVERSITY.

HISTORICAL STATEMENT.

The Tulane University of Louisiana, founded upon an endowment of the late Paul Tulane, was established by law by Act No. 43 of the session of 1884, which was ratified by a constitutional amendment April 17, 1888. By virtue of this legislation the administrators of the Tulane Educational Fund became the administrators in perpetuity of the University of Louisiana, agreeing to devote their income to its development, and to establish thereon the Tulane University of Louisiana.

The Medical Department was established in 1834. It has attained the greatest prestige throughout the Southern States, not only for the ability and distinction of its professors, but for its unsurpassed means of teaching. It has matriculated 10,905 students and conferred diplomas on 3141 graduates, 2895 in medicine and 246 in pharmacy. It has the great Charity Hospital, with its seven hundred beds and six thousand patients annually, as its school of practical instruction.

The Administrators of the Charity Hospital elect annually fourteen resident students, who are maintained by that institution. Vacancies are filled by competitive examination.

The Pharmaceutical Laboratory, established in 1887, has been judiciously fostered and excellently managed. The number of students availing themselves of its advantages has increased. Female students are admitted to this laboratory, but not to the lecture rooms of the Medical College.

During the past year the Medical Department has entered on a new career of usefulness. It has occupied the new building on Canal street, erected and equipped through the munificence of Mrs. Ida A. Richardson as a memorial of her late husband, Dr. T. G. Richardson, for so many years Dean of the Medical Department.

Important and valuable changes have also been made in the development of this Department, which are fully explained in their proper place.

The Law Department was organized in 1847. It has numbered among its professors the most distinguished lawyers of the State, and a chair in its faculty is esteemed one of the highest honors open to the profession in Louisiana. It has conferred diplomas from 1847 to 1893 upon 753 graduates, many of whom are filling high and honorable positions at the bar and on the bench in this and other States. While the civil law is taught here, as the basis of the whole legal superstructure and machinery of the State, and as the foundation of its civil code and jurisdiction, the course of instruction is sufficiently comprehensive to prepare the student for admission to the bar, not only in this State, but also in any of the common law States of the Union.

The Academical Department of the University of Louisiana was opened in the autumn of 1878. It received an annuity of $10,000 from the State, and met with excellent success for its limited means.

Col. Wm. Preston Johnston was selected in January, 1883, to organize an institution of learning under the terms of Mr. Tulane's donation. The acquisition of the University of Louisiana, with its franchises and valuable buildings, in 1884, gave practical shape to the purposes of the Tulane Board, and supplied the foundation on which to establish Tulane University. It has now fourteen chairs in the University proper, and seven assistant professors and instructors. The collection of scientific apparatus, especially for instruction in physics and electricity, is quite extensive and of very high grade. The teaching is in great part by laboratory work, and the apparatus is better adapted to this method of instruction than any other in the South. There is a practical course in electrical engineering which has been pursued with marked success. The collection of dynamo machines is one of the largest in the country. The chemical laboratories have been carefully fitted up and are now in a high state of efficiency, and it is hoped that many young men will be trained here to take part in developing the industries of the Southern States. The biological laboratory is well supplied with miscroscopes and the various kinds of apparatus needed for investigation as well as for ordinary study.

The line between university work and collegiate work is sharply drawn. The latter is embraced in a series of nearly equivalent curricula, extending through four years in the College of Arts and Sciences, all leading to baccalaureate degrees with or without distinction, according to attainment, and to the engineering degrees in the College of Technology. The university work is elective and of the most ad-

vanced character, and leads to the degrees of Master of Arts, of Doctor of Philosophy, and to the higher engineering degrees.

The High School, with the exception of the Sub-Freshman Class, has been discontinued and with it the manual training school. This is in accordance with the announcement made in the last catalogue.

The Students of the Sub-Freshman Class who have not completed their course will receive special instruction under the former Faculty, fitting them for entrance into the Freshman classes of the colleges.

Two colleges have been established; the College of Arts and Sciences and the College of Technology, each with appropriate and distinctive functions and curricula of studies, as specifically set forth hereinafter under their proper heads.

A number of free scholarships were created which it was hoped would be opened to competition this spring or autumn, but, owing to the large expenditures made in the removal of the university, this action has been postponed for a year.

The Libraries of the University, besides the State Library of twenty-six thousand volumes, contain about twenty-five thousand volumes, with a certain fund for increase of some $2000 per annum. The largest hospitality is extended to book-lovers and readers.

The museums of the University have steadily increased in value. They offer facilities for the researches of students and are means of communicating information to the public. The scientific and art collections have been enriched by donations from private citizens and public institutions.

The H. Sophie Newcomb Memorial College, for the higher education of white girls and young women, has been established as a department of Tulane University, through the munificence of Mrs. Josephine Louise Newcomb, widow of Warren Newcomb, of New York City. Through her noble liberality, it has been made one of the best endowed institutions in the Southern States.

Its first annual session was opened Thursday, October 16, 1887. Since that time its progress has been steady, the number of students has been increased, the faculty enlarged, and important additions made to the apparatus for instruction. Opportunities are offered for a full collegiate course in literature and science, or for the special training of advanced students in ancient and modern languages, and on the lines of special work. Extensive and well-shaded grounds afford opportunity for open air exercise and recreation. The main building is a spacious and handsome structure. The libraries and

laboratories afford valuable aid. The laboratory for physics and chemistry is a new brick building well equipped with apparatus; and superior facilities are offered to young women for securing a practical knowledge of these studies.

The new academic building was completed in time for the present session; it has also afforded quarters for the Art Classes, for the Physical Culture Classes, and is in all respects admirably adapted to the purpose for which it was constructed.

Occupying an entire square in one of the most beautiful and cultivated sections of the city, Newcomb College aims to secure the objects of higher female education—thorough and accurate scholarship, the best conditions of physical culture, the wisest and most healthful intellectual and moral aspirations.

The Free Drawing School has been in successful operation, for nine years past, under the auspices of the University. The professors engaged in the work have cheerfully given their time and talents, and much good has been done in the instruction of the students for technical and industrial pursuits, and in fostering and diffusing a taste for art in the community. Though not strictly university work, it has yet had the spirit of university extension, and the good results attained from year to year have abundantly justified the efforts in its behalf.

It is greatly regretted that the removal of the University to a suburban site and the exigencies growing out of so large an expenditure have necessitated the discontinuance of this useful work.

Tulane University is Christian, but not sectarian, and this is construed as extending the largest liberty of invitation to all who love the light of knowledge. It is now on the sound basis of a living income, with a corporation secure in its tenure of office and consistent in its plans and purposes, and with the prestige of a State institution and popular favor to aid in its honorable career.

In view of the fact that the amendment of the State Constitution creating Tulane University gives to the administrators such "powers as may be necessary to develop, control, foster and maintain it as a great university in the city of New Orleans," the Administrators are consistently carrying forward their plan of organizing and developing its germinal features into permanent form.

Since the publication of the last annual catalogue another member of the Board of Administrators, Mr. Samuel H. Kennedy, has been removed by death.

He died in this city on Tuesday, November 7, 1893.

The following resolution adopted by the Board of Administrators will help to show the esteem with which he was regarded:

"The members of the Board are grieved to learn the death of their esteemed associate, Samuel Horton Kennedy. They bear cheerful testimony to the fidelity and promptness with which he discharged the duties which devolved upon him as a member of the Board. He appreciated the honor of having been one of the Administrators originally named by Mr. Tulane himself, and he was zealous in his efforts to advance and promote the great educational interests with which, with others, he so became entrusted.

"Mr. Kennedy was born in Milton, in the State of Massachusetts, in 1816. His earlier years were spent on the farm of his father, but realizing an ambition to engage in mercantile pursuits, he went into business, first in Boston, then in Alton, Illinois, and in 1843 came to New Orleans, where he engaged in the western produce business and attained merited distinction and great financial success. He established a house bearing his name, which for more than a quarter of a century was pre-eminent for its popularity and stability throughout the West and South.

"After the war he became president of one of the leading banking institutions in New Orleans. He was a member of the Board of Liquidation of the City Debt from the period of its creation, and remained so until his connection with it was severed by his death.

"His abilities were of marked character and found recognition and employment in many public offices, and elevated him to positions of responsibility and distinction.

"Of high social standing, his refined and courtly hospitality made his house and home the centre of the circle in which he moved and his benevolent disposition found frequent expression in generous deeds, until he realized the restrictions imposed by commercial and financial reverses which were to him as unexpected as they were disastrous.

"It is directed that this brief tribute to the memory of our deceased associate be spread upon the minutes, and a copy forwarded to the members of his family, with the expression of our profound sympathy in their bereavement."

***

The arrangements for the removal of the literary and scientific departments of the University have been completed.

The corner-stone of the College of Arts and Sciences was laid with imposing ceremonies and in the presence of a large audience on Saturday, January 27, 1894.

The grounds purchased by the Administrators of the Tulane Educational Fund as the new location for the University are extensive and

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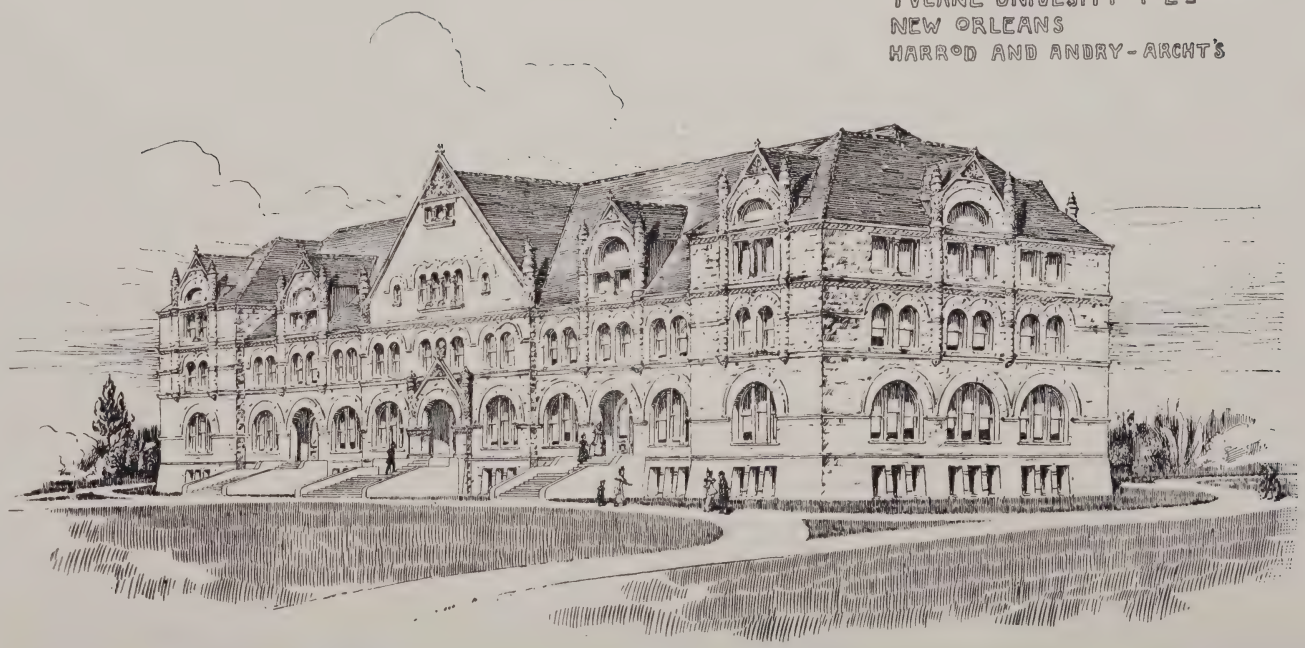


admirably adapted for the purpose, having 582 feet front on St. Charles avenue, facing Audubon Park, and extending over 12,000 feet in narrowing lines toward the rear of the city.

About eighteen acres have been set apart as a campus, and upon this the following buildings have been erected:

1. A College of Arts and Sciences.
2. A Physical Laboratory.
3. A Chemical Laboratory.
4. A group consisting of the Mechanical and Electrical Laboratories, Drawing Rooms, and Workshops.

The College of Arts and Sciences is the largest of these structures. It is of Bedford stone, and is located two hundred feet from the line of St. Charles avenue, facing Audubon Park and the river. It has a frontage of 250 feet 8 inches, a depth of 69 feet 6 inches, with basement, two stories and attic, making a height of 70 feet from the ground.

On the first floor are located the offices of the Board of Administrators, the President of the University, the Secretary of the University, four rooms for the Library, a faculty room, Assembly Hall, ladies' reading room and three class rooms.

On the second floor are seven class rooms, two lecture rooms, two large rooms for the Linton–Surget Art Gallery and four class study rooms. Each of the class rooms contains about 600 square feet of floor space, and has an adjoining private office and study for the professor.

On the third floor are two large Halls for the Literary Societies, with ample accommodations for the Museum.

The Physical Laboratory building is 125 feet in length by 53 feet in breadth. It is built of Egyptian pressed brick, with trimmings of Bedford stone. It has been carefully planned for its purpose, and will afford excellent facilities for every kind of physical research. It faces due south, so that the sunlight is available in all laboratories throughout the day, and the most convenient use of magnetic instruments is secured. In its construction the use of iron has been avoided as far as practicable, and in and near the laboratories the gas pipes are of brass and no iron is used. The building is lighted by electricity and is heated by indirect radiation, the warm air being conveyed through the building in ducts of non-magnetic material. A number of piers, entirely independent of the building, are provided in the different laboratories, one of which rises to the Lecture Room

on the second floor, and affords a steady support for reflecting instruments when used in demonstrations. A large number of slate slabs are set into the walls of the laboratories for the support of delicate instruments. The general laboratories and Lecture Room are finished in cream colored pressed brick, with a wainscoting of enameled brick five feet in height. The remainder of the building is finished in plaster, with wooden wainscoting of the same height.

On the first floor are situated two large laboratories, each 50 by 32 feet, for work of different character and grade, a room for special work in heat, the office and private laboratory of the professor, the Physical Library and Seminary Room, the workshop for the manufacture and repair of instruments, the battery and switch-board room, the two lavatories and the hat room.

On the second floor are a third laboratory, 50 by 32 feet, for elementary work; the large lecture room, 35 by 32 feet; an apparatus room, 15 by 32 feet; a lecture room, 33 by 21 feet; the spectrometer, photometer and photographic rooms and two additional rooms for special work.

The third floor is provided with skylights and will be used for drawing and design work in connection with the course in Electrical Engineering, for photography of the spectrum and for general storage. A portion of the roof is flat and can be utilized for rain gauges, anemometers and other meteorological instruments. An elevator is provided for the transfer of apparatus from floor to floor.

The laboratory will be completely wired for the distribution of light, current for experimental purposes, telephones and time. It is connected with the Dynamo Laboratory, 300 feet distant, by heavy conductors and telephone circuits, so that work may be conveniently carried on in the two buildings conjointly.

In its location, the character of the structure and the perfect adaptation to its purpose, this building will bear favorable comparison with the best laboratories in the country. It is the only laboratory built exclusively for Physics in the South.

The Chemical Laboratory is a twin building to the Physical Laboratory, being built of the same materials and finished in the same way, but arranged with reference to its special use. It is lighted electrically, heated by steam, and supplied with gas and water at every needed point.

On the first floor are situated the offices and private laboratories of the Professors of General and Industrial Chemistry; the laboratory

of Industrial Chemistry, 50 by 32 feet; the Quantitative Laboratory, 28 by 32 feet; the Organic Laboratory, 21 by 32 feet; the Assay Laboratory, the Balance Room, the Hydrogen Sulphide Room, two Store Rooms, two Hat Rooms, and the Lavatory.

On the second floor are situated the Qualitative Laboratory, 50 by 32 feet; the Lecture Room of General Chemistry, 35 by 32 feet, with adjoining preparation and apparatus rooms; the Lecture Room of Applied Chemistry; the Chemical Library, rooms for gas, water and sugar analysis; a darkened room for spectroscopic and polariscopic work, a small room for Hydrogen Sulphide, and the Ladies' Lavatory.

The third floor is provided with skylights, and will be used for drawing and design work in connection with the course in Chemical Engineering and for general storage.

This building is fitted with all necessary desks, hoods, assay furnaces, etc., and will accommodate a large number of students. It will bear favorable comparison with the best laboratories in the country.

The Engineering group consists of workshops and laboratories.

The front building is 70 feet in length by 60 feet in depth, and has two stories and an attic.

On the first floor are located the lecture room of Mechanical Engineering, the office of the Professor, Engineering Library, a Drawing Room for Machine Design, and the Engineering Laboratory, 60 feet by 30 feet in extent.

On the second floor are five large drawing rooms, well lighted by outside windows and by skylight from the roof.

Rooms are provided for the extensive collection of Casts and Drawing Models.

The attic is used for a museum of architectural drawings and models.

The Electrical Laboratory, 50 by 40 feet, contains the engine, dynamos, etc., used in lighting all the college buildings and illustrating the course in Electrical Engineering.

This group of buildings also contains a boiler house, for accommodation of the boilers used for heating by steam all the college buildings and for the power used in the several shops.

There are also five large workshops fully equipped for metal work, pattern making, carpentry, blacksmithing, and foundry work.

This is the most extensive group of college shops in the Southern States.

These buildings will be occupied by the University and the Colleges of Arts and Sciences and of Technology at the opening of the next annual session, October 1, 1894.

Under the continued liberality of Mrs. Newcomb there has been a rapid expansion of the H. Sophie Newcomb Memorial College for Young Women.

Three additional buildings will be ready for the opening of the next annual session.

1. A brick building on Washington avenue, opposite to and facing the college, intended for the accommodation of boarding students. It is about 43 feet front, 114 feet in depth, three stories high and contains accommodations for about fifty students. It is in the Florentine style of architecture, constructed of brick with ornamental mouldings and carvings. The building is named the Josephine Louise Cottage, as a token of respect to Mrs. Newcomb.

2. An art building, about 127 feet in length, extending diagonally across the intersections of Camp and Sixth streets, on the college grounds. The material is pressed brick with terra-cotta. The roof will be of tile, with abundant skylights.

There will be accommodations for about two hundred students. There will be lecture rooms, art libraries, drawing and designing rooms and superior facilities for the prosecution of art studies.

3. The College chapel to be erected upon the ground, near the corner of Chestnut and Sixth will be of stone, of attractive architecture and having seating capacity for about five hundred persons.

These additional buildings greatly aid the establishment of the H. Sophie Newcomb Memorial College upon a broad and strong foundation.

Few institutions of learning in the country have been so munificently aided by noble benefactions during the past few years as Tulane University.

FACULTY AND INSTRUCTORS.

1893-94.

Wm. Preston Johnston, LL. D.,
President of the University.

(In the Order of Election.)

Stanford E. Chaillé, M. D.,
Dean of the Medical Department, Professor of Physiology, Pathological Anatomy and Hygiene.

Joseph Jones, M. D., LL. D.,
Professor of Chemistry and Clinical Medicine.

Ernest S. Lewis, M. D.,
Professor of General and Clinical Obstetrics and Diseases of Women and Children.

John B. Elliott, M. D.,
Professor of Theory and Practice of Medicine and Clinical Medicine.

J. Hanno Deiler (Royal Normal College of Munich-Freising),
Professor of German Language and Literature.

Alcée Fortier,
Professor of French Language and Literature.

Brown Ayres, B. Sc., Ph. D. (Stevens Institute),
Professor of Physics and Electrical Engineering.

Robert Sharp, A. M., Ph. D. (Leipsic),
Professor of Greek and English.

Henry Carleton Miller,
Dean of the Law Department, and Professor of Admiralty and International Law.

JOHN M. ORDWAY, A. M. (Dartmouth),
Professor of Applied Chemistry and Director of Manual Training School.

WM. WOODWARD (Massachusetts Normal Art School),
Professor of Drawing.

HENRY DENIS,
Professor of Civil Law and Lecturer on the Land Laws of the United States.

EDMOND SOUCHON, M. D.,
Professor of Anatomy and Clinical Surgery.

ASHLEY D. HURT, A. M., LL. D.,
Head Master of the High School and Professor of Latin.

JOHN R. FICKLEN, B. LET. (University of Virginia),
Professor of History and Political Science.

JOHN W. CALDWELL, A. M., M. D.,
Professor of Chemistry and Geology.

A. B. MILES, M. D.,
Professor of Materia Medica and Therapeutics and Clinical Medicine.

BRANDT V. B. DIXON, A. M. (Cornell University), LL. D.,
Professor of Psychology and Philosophy and President of the H. Sophie Newcomb Memorial College for Young Women.

ELLSWORTH WOODWARD,
Professor of Drawing. Newcomb College.

THOMAS J. SEMMES, LL. D. (Georgetown University, D. C.),
Professor of Constitutional Law, Common Law and Equity, Conflict of Laws, with Jurisdiction and Practice of the United States Courts at Law and in Equity.

FRANK A. MONROE,
Professor of Commercial Law and the Law of Corporations.

HARRY H. HALL,
Professor of Evidence, Code of Practice and Criminal Law.

George Gessner, A. M. (Jefferson College, La.),
Professor of Greek. High School.

Henry B. Orr, Ph. D. (Jena),
Professor of Biology.

James Hardy Dillard, M. A., D. Lt. (Washington and Lee).
Professor of Latin.

William Benjamin Smith, A. M., Ph. D. (Goettingen),
Professor of Mathematics.

Louis F. Renaud, M. D.,
Professor of Materia Medica, Therapeutics and Clinical Medicine.

Charles G. Gill, A. M., Ph. D. (Tulane),
Assistant Professor of Greek.

J. W. Pearce, A. M., Ph. D. (Tulane),
Assistant Professor of Anglo-Saxon.

Wm. J. Cooper, A. B. (Rutgers),
Assistant Professor Mechanical Engineering.

Douglas Smith Anderson, A. M.,
Assistant Professor in Physics.

Ulric Bettison,
Professor of Mathematics. Newcomb College.

Evelyn W. Ordway, B. S. (Massachusetts Institute of Technology),
Professor of Chemistry and Physics. Newcomb College.

Jennie C. Nixon,
Professor of English and Rhetoric. Newcomb College.

Mary J. Augustin,
Professor of French. Newcomb College.

Mary L. Harkness, A. M.,
Professor of Latin. Newcomb College.

Gertrude Roberts Smith,
Assistant Professor of Drawing and Painting. Newcomb College.

EMMA S. ROSSNER,
Principal of Preparatory Classes. Newcomb College.

JULIA C. LOGAN,
Instructor of English. Newcomb College.

MATTIE M. AUSTIN,
Instructor of Latin. Newcomb College.

FRANK H. SIMMS,
Director of Vocal Music. Newcomb College.

KATE A. ATKINSON,
Instructor of Latin. Newcomb College.

CLARA G. BAER,
Instructor of Gymnastics. Newcomb College.

FREDERIC WESPY,
Instructor of Greek and German. Newcomb College.

FELICITÉ FAURES,
Instructor in French.

RUDOLPH MATAS, M. D.,
Demonstrator of Anatomy.

A. MCSHANE, M. D.,
Assistant Demonstrator of Anatomy and Chief of Clinic.

A. L. METZ, M. PH., M. D.,
Instructor in Charge of the Chemical Laboratory.

J. D. BLOOM, M. D.,
Lecturer and Clinical Instructor on Diseases of Children.

H. S. LEWIS, M. D.,
Lecturer and Clinical Instructor on Physical Diagnosis.

P. E. ARCHINARD, M. D.,
Demonstrator of Microscopical Anatomy and of Bacteriology.

O. L. POTHIER, M. D.,
Assistant Demonstrator of Microscopical Anatomy and Bacteriology.

Henry Bayon, M. D.,
Lecturer and Clinical Instructor on Physical Diagnosis.

Luther Sexton, M. D.,
Lecturer and Clinical Instructor on Minor Surgery.

Edward W. Jones, M. D.,
Lecturer and Clinical Instructor on Diseases of Eye and Ear.

Isadore Dyer, M. D.,
Lecturer and Clinical Instructor on Dermatology.

T. A. Quayle, M. Ph., M. D.,
Inspector in Charge of Pharmaceutical Laboratory.

Warren S. Bickham, M. D.,
Demonstrator of Operative Surgery.

John P. Pemberton,
Instructor in Drawing.

C. C. Hawthorne,
Instructor in Drawing.

Julius Porbes,
Instructor in Wood-Working.

Henry Porbes,
Instructor in Wood-Working.

Tudor T. Hall,
Mechanician in Department of Physics.

SUMMARY—FACULTY AND INSTRUCTORS.

President and Professors	35
Assistant Professors	4
Lecturers and Instructors	24
Mechanician	1
Total	64

TULANE UNIVERSITY OF LOUISIANA.

PLAN OF EDUCATION.

Tulane University of Louisiana is an institution for the higher education of the white youth of Louisiana.

Tulane University is divided into the University Department of Philosophy and Science, College of Arts and Sciences, College of Technology, H. Sophie Newcomb Memorial College for Young Women, Department of Law, and Department of Medicine.

University Department of Philosophy and Science.

FACULTY.

William Preston Johnston, LL. D., President of the University.
William O. Rogers, LL. D., Secretary of the University.
J. Hanno Deiler, Professor of German.
Alcée Fortier, Professor of Romance Languages.
Brown Ayres, B. Sc., Ph. D., Professor of Physics.
Robert Sharp, A. M., Ph. D., Professor of English.
John M. Ordway, A. M., Professor of Industrial Chemistry.
William Woodward, Professor of Drawing and Architecture.
John R. Ficklen, B. Let., Professor of History and Political Science.
John W. Caldwell, A. M., M. D., Professor of Chemistry and Geology.
Brandt V. B. Dixon, A. M., LL. D., Professor of Psychology and Philosophy.
Henry B. Orr, Ph. D., Professor of Biology.
James H. Dillard, M. A., D. Lt., Professor of Latin.
William Benjamin Smith, A. M., Ph. D., Professor of Mathematics.
Ashley D. Hurt, A. M., LL. D., Professor of Greek.
W. H. P. Creighton, U. S. N., Professor of Mechanical Engineering.

GRADUATE WORK.

If the student in a college should feel and act as one under authority, the graduate of the college who enters upon his university career in the Department of Philosophy and Science should recognize that he is called to higher culture, which does not simply permit, but demands, liberty of choice, the exercise of independent thought, an earnest attempt at original investigation and individual conviction. Herein he must receive the inspiration of the scientific spirit and pursue his studies by the scientific method, under the guidance, but not under the authority, of a professor.

Acting upon this view, we differentiate sharply between the work of the College and the work of the University in its higher department.

We leave to the College the disciplinary work of education to be pursued by collegiate or gymnastic methods. We reserve for the students in the Department of Philosophy and Science that higher culture pursued in the scientific spirit, which is true University work. If few in number, yet these University students must be College graduates, not merely College students graded as University students.

We admit to our University, as candidates for degrees, the graduates of our own and other colleges with fairly equivalent requirements, and such other persons as shall pass a satisfactory examination on branches of knowledge and studies fully equivalent.

Degrees.—Graduates of Tulane College and other accepted candidates who shall pursue for two years an approved course of study in the University in three branches, one major and two minor, selected by the student and approved by the Faculty, and who shall pass a satisfactory examination and present a written thesis acceptable to the President and Faculty, will receive the degree of Master of Arts.

The degree of Doctor of Philosophy will be given for a further prescribed, or approved, course of study in Tulane University, pursued for two years more under like conditions and with such excellence and superior attainments as to warrant it.

Announcements of special subjects of graduate work will be found under the Detailed Statement of Work. It must be understood that the amount of work required under the several announcements is made to vary according as the subject is taken as a major or minor study.

All University courses of study shall at the time of their selection be classed either as philosophical or technical, according to the nature of the work required.

Any philosophical course, whether classical, literary or scientific,

shall lead to the degree of Master of Arts. The technical courses shall lead to appropriate engineering degrees. But no degrees are granted except to resident students.

Graduates of the H. Sophie Newcomb Memorial College, or female graduates of other accredited colleges of the first grade who have received the degree of A. B. or B. S., may be admitted to the privileges of University instruction, and shall be entitled to the A. M., or a technical degree, upon the completion of a course of study equivalent to that required of male graduates.

SCHOLARSHIPS.—The Board of Administrators, for the purpose of encouraging post-graduate study, has offered to graduates of Tulane College and other institutions of good standing, fifteen scholarships, of one hundred and fifty dollars each, which shall be given upon the conditions stated in the following rules:

Students seeking appointment to University Scholarships must make application in writing to the Faculty, giving an outline of the purposed courses of the post-graduate study. Appointments will be then made on the basis of merit.

Each Scholarship will entitle the recipient to free tuition in the University Department and one hundred and fifty dollars per annum, payable in monthly instalments.

Holders of University Scholarships will be expected to give their whole time to advanced study in the lines of their respective courses. They shall not engage in outside business, and may be called upon for a reasonable amount of assistance to the professors under whom they are studying.

All appointments will be for one year; but the holder of any scholarship may be reappointed for one additional year.

Applications must be filed with the Secretary before June 1.

The purpose of these University Scholarships is to encourage young men who have gained distinction in their college studies, whether in our own or in some other college of like standing, to continue a chosen line of study to the highest point of attainment. To this end, their preparation must be in an institution of recognized standing and high grade, with some reasonable parity to the amount and thoroughness required of our own students, and they must hold the Bachelor's degree as an evidence of what they have done. Then it becomes a question of selection among the candidates for vacancies, which must be decided by comparative merit. These scholarships are not awarded to students seeking to enter upon professional studies in the law and medical departments.

All University courses of study shall be assigned, approved and conducted by the University Faculty.

COLLEGE OF ARTS AND SCIENCES.

FACULTY.

William Preston Johnston, LL. D., President.

James H. Dillard, M. A., D. Lt., Dean, and Professor of Latin.

Ashley D. Hurt, A. M., LL. D., Professor of Greek.

Robert Sharp, A. M., Ph. D., Professor of English.

J. Hanno Deiler, Professor of German Language and Literature.

Alcée Fortier, Professor of Romance Languages.

John R. Ficklen, B. Let., Professor of History and Political Science.

Brandt V. B. Dixon, A. M., LL. D., Professor of Psychology and Philosophy.

William B. Smith, A. M., Ph. D., Professor of Mathematics.

Brown Ayres, B. Sc., Ph. D., Professor of Physics and Astronomy.

John W. Caldwell, A. M., M. D., Professor of Chemistry and Geology.

Henry B. Orr, Ph. D., Professor of Biology.

William Woodward, Professor of Drawing.

Charles G. Gill, A. M., Ph. D., Assistant Professor of Greek.

J. W. Pearce, A. M., Ph. D., Assistant Professor of English and Mathematics.

Douglas S. Anderson, A. M., Assistant Professor of Physics.

William P. Brown, A. B., Instructor in Latin and English.

General Statement of the Work and Courses.

The College of Arts and Sciences of Tulane University covers four years of solid collegiate instruction and training. Its purpose is to prepare and discipline the students for the professions or for leadership in the manifold and ever widening spheres of active life.

To attain this aim, every faculty of the mind must be exercised to work efficiently to its appointed ends, and every grand division of the complete sphere of human knowledge should be represented in a rounded plan of academic education. Philosophy, History, Mathematics, the Physical Sciences, Biology and the Languages, which are the expression and embodiment of human thought, all serve as necessary agents in a harmonious evolution of intellect and character, and should all be represented in any scheme or course of study which pretends to give a complete liberal education. To assume, however, that there is only one course which shall do equally well for all, no matter what their intended careers may be, is a mistake.

Not trusting in the ability of immature students, or even of parents who have seldom duly considered the subject, the College of Arts and Sciences now offers four courses of study, with prescribed branches, each leading to a baccalaureate degree. These courses, though directed to different pursuits in life, are parallel and substantially equivalent in the amount, proportion, and exactness of the training and instruction afforded.

In the grouping and succession of studies in these courses, while opportunity is afforded for information in all the great realms of human knowledge adequate to a liberal education, still greater regard is had to that rigorous training of the faculties which develops intellectual energy and moral power. It is intended that the degrees which crown these four courses shall be an honest testimonial to solid acquirements in knowledge and intellectual discipline.

The difference in the courses is chiefly in the amount of the particular branches pursued, and in the substitution of studies nearly equivalent in amount, and as nearly so as possible in intrinsic and disciplinary value to the students.

The courses are denominated, respectively, Classical, Literary, Latin-Scientific, and Scientific. Each has four classes, which retain the time-honored names of Freshman, Sophomore, Junior, and Senior.

In each course of study and in each year of that course it has been sought by proper and logical arrangement of studies to carry forward the instruction and the training to a given practical end.

The degree of Bachelor of Arts is conferred for the successful accomplishment of the Classical, Literary, or Latin-Scientific Course, and the degree of Bachelor of Science for the satisfactory completion of the Scientific Course, and students of extraordinary merit may have added to this the words, "with distinction."

Classical Course.—In this Course the study of Latin and Greek is continued through the four classes, thus affording to the student willing to submit to the invaluable and unsurpassed mental discipline of these studies the opportunity to obtain a solid classical education.

This Course also provides a fair amount of study in Modern Languages, History, Mathematics, and Science.

Literary Course.—This Course differs from the Classical chiefly in the omission of Greek and the substitution of fuller courses of French, German, and American History, with Civics.

In the Senior Class, additional work in Political Economy may be substituted in the place of Latin.

The Literary Course offers considerably more opportunity for work in French and German than any other Course. The work in English is the same as that of the Classical Course.

Latin-Scientific Course.—This Course provides for the study of Latin through the Sophomore year, and for the same amount of French as the Literary Course through the Freshman and a part of the Sophomore year. The German agrees with that of the Classical Course.

In the Junior and Senior years, instead of more advanced work in the languages, are substituted extended courses in Physics, Chemistry, and Biology.

In this Course more work in Mathematics is required than in the Classical or the Literary Course, and the study may be pursued beyond the requirement through the Junior year as a substitute for Biology in that year.

Scientific Course.—This Course differs from the Latin-Scientific Course chiefly in the substitution of Shopwork and Drawing for Latin. In English, French and German, and in History, Political Science, and Psychology, the work is the same.

A complete view of the four courses will be found in the following outline.

OUTLINE OF THE SEVERAL COURSES.

CLASSICAL COURSE.

The numbers in parentheses refer to the Detailed Statement of Work. The other numbers indicate hours per week.

Freshman.

FALL: Latin (1), 3; Greek (1), 6; Mathematics (1), 6; English (1), 3.

WINTER: Latin (2), 6; Greek (2), 3; Mathematics (2), 6; English (2), 3.

SPRING: Greek (3), 3; English (3), 3; Mathematics (3), 6; French (1), 6.

Sophomore.

FALL: Latin (3) (4), 6; French (4), 6; Mathematics (4), 3; History (1), 3.

WINTER: Greek (4), 3; French (5), 3; Chemistry (1) (2), 6; English (4) (5), 6.

SPRING: Latin (5), 6; Greek (5), 3; Physics (1) (2), 6; History (2), 3.

Junior.

FALL: Latin (6) (9), 6; Greek (6), 3; History (4), 3; Physics (3) (4), Chemistry (3) (4), or Biology (3), 6.

WINTER: Latin (7) (9), 3; Greek (7), 6; History (5), 3; Physics (3) (4), Chemistry (3) (4), or Biology (3), 6.

SPRING: Latin (8) (9), 3; Greek (8), 6; English (6) (7), 6; German (7), 3.

Senior.

FALL: Greek (9), 3; German (8), 3; English (8) (9), 6; Psychology (1), 6.

WINTER: Greek (10), 3; German (9), 3; Psychology (2), 6; Economics (8), 6.

SPRING: Latin (10) (11), 6; German (10), 6; English (10), 6.

LITERARY COURSE.

The numbers in parentheses refer to the Detailed Statement of Work. The other numbers indicate hours per week.

Freshman.

Fall: Latin (1), 3; French (1), 6; Mathematics (1), 6; English (1), 3.

Winter: Latin (2), 6; French (2), 3; Mathematics (2), 6; English (2), 3.

Spring: French (3), 6; Mathematics (3), 6; English (3), 3; Biology (7), 3.

Sophomore.

Fall: Latin (3) (4), 6; French (4), 6; History (1), 3; Mathematics (4), 3.

Winter: French (5), 3; History (2), 3; English (4) (5), 6; Chemistry (1) (2), 6.

Spring: Latin (5), 6; German (1), 6; Physics (1) (2), 6.

Junior.

Fall: Latin (6) (9), 6; German (2), 6; Physics (3) (4), Chemistry (3) (4), or Biology (3), 6.

Winter: Latin (7) (9), 3; German (3), 6; History, (4), 3; Physics (3) (4), Chemistry (3) (4), or Biology (3), 6.

Spring: Latin (8) (9), 3; History (6), 6; English (6) (7), 6; German (4), 3.

Senior.

Fall: Civics (7), 6; English (8) (9), 6; Psychology (1), 6.

Winter: French (6), 3; German (5), 3; Psychology (2), 6; Economics (8), 6.

Spring: Latin (10) (11), or Economics (11), 6; German (6), 3; French (7), 3; English (10), 6.

LATIN-SCIENTIFIC COURSE.

The numbers in parentheses refer to the Detailed Statement of Work. The other numbers indicate hours per week.

Freshman.

FALL: Latin (1), 3; French (1), 6; Mathematics (1), 6; English (1), 3.

WINTER: Latin (2), 6; French (2), 3; Mathematics (2), 6; English (2), 3.

SPRING: French (3), 6; Mathematics (3), 6; English (3), 3; Biology (7), 3.

Sophomore.

FALL: Latin (3), 3; French (4), 6; History (1), 3; Mathematics (4) (5), 6.

WINTER: Chemistry (1) (2), 6; Mathematics (6), 6; History (2), 3; English (4) (5), 6.

SPRING: Latin (5), 6; Mathematics (7), 6; Physics (1) (2), 6.

Junior.

FALL: Physics (3) (4), 6; Chemistry (3) (4), 6; Mathematics (8), 6.

WINTER: Physics (3) (4), 6; Chemistry (3) (4), 6; History (4), 3; Biology (4), or Mathematics (9), 6.

SPRING: History (6), 6; English (6) (7), 6; German (7), 3; Biology (4), or Mathematics (9), 6.

Senior.

FALL: Chemistry (6) (7), 9; German (8), 3; Psychology (1), 6; Biology (5), or Physics (8), 3.

WINTER: German (9), 3; Economics (8), 6; Psychology (2), 6; Biology (5), or Physics (8), 3.

SPRING: Chemistry (8), 6; German (10), 6; Biology (6), Physics (9), or Economics (11), 6.

SCIENTIFIC COURSE.

The numbers in parentheses refer to the Detailed Statement of Work. The other numbers indicate hours per week.

Freshman.

FALL: Shopwork (1), 3; Drawing (1), 3; French (1), 6; Mathematics (1), 6; English (1), 3.

WINTER: Shopwork (3), 3; Drawing (2) (3), 6; French (2), 3; Mathematics (2), 6; English (2), 3.

SPRING: Shopwork (5) (6), 3; Drawing (4), 3; Mathematics (3), 6; English (3), 3; French (3), 6.

Sophomore.

FALL: Biology (1), 3; French (4), 6; History (1), 3; Mathematics (4) (5), 6.

WINTER: Chemistry (1) (2), 6; Mathematics (6), 6; English (4) (5), 6.

SPRING: Biology (2), 6; Physics (1) (2), 6; Mathematics (7), 6; History (2), 3.

Junior.

FALL: Physics (3) (4), 6; Chemistry (3) (4), 6; Mathematics (8), 6.

WINTER: Physics (3) (4), 6; Chemistry (3) (4), 6; History (3), 3; Biology (4), or Mathematics (9), 6.

SPRING: History (6), 6; English (6) (7), 6; German (7), 3; Biology (4), or Mathematics (9), 6.

Senior.

FALL: Chemistry (6) (7), 9; German (8), 3; Psychology (1), 6; Biology (5), or Physics (8), 3.

WINTER: German (9), 3; Economics (8), 6; Psychology (2), 6; Biology (5), or Physics (8), 3.

SPRING: Chemistry (8), 6; German (10), 6; Biology (6), Physics (9), or Economics (11), 6.

The conditions of admission to the above Courses will be found under the head of General Information.

COLLEGE OF TECHNOLOGY.

FACULTY.

William Preston Johnston, LL. D., President.

Brown Ayres, B. Sc., Ph. D., Dean, and Professor of Physics and Electrical Engineering.

John M. Ordway, A. M., Professor of Industrial Chemistry, and Acting Professor of Civil Engineering.

William H. P. Creighton, U. S. N., Professor of Mechanical Engineering.

William B. Smith, A. M., Ph. D., Professor of Mathematics.

John W. Caldwell, A. M., M. D., Professor of Chemistry and Geology.

Henry B. Orr, A. B., Ph. D., Professor of Biology.

William Woodward (Mass. Normal Art School), Professor of Drawing, and of Architecture.

Robert Sharp, A. M., Ph. D., Professor of English.

John R. Ficklen, B. Let., Professor of History and Political Science.

Alcée Fortier, Professor of Romance Languages.

J. Hanno Deiler, Professor of German.

John W. Pearce, A. M., Ph. D., Assistant Professor of Mathematics and English.

Douglas S. Anderson, A. M., Assistant Professor of Physics and Electrical Engineering.

William J. Cooper, A. B., Assistant Professor of Experimental Mechanics and Shopwork.

Charles K. Huguet, B. Sc., M. E., Instructor in Electrical Engineering.

William P. Brown, A. B., Instructor in English.

————, Instructor in Workshops.

Tudor T. Hall, Mechanician in Physical Laboratory.

General Statement of the Work and Courses.

The College of Technology of Tulane University is devoted to the higher education of young men in Engineering. Engineering is the science and the art of utilizing the forces and the materials of nature. The field to be occupied by this College is thus seen to be a very broad one, and it is hoped that it will be a potent factor in the development of the great resources of the South. While recognizing that our young men should be well trained for leadership in the industrial activity that we desire to promote, we also believe that they should be men of culture. Hence in our courses of study, due attention is paid to linguistic, historical and philosophical subjects, and the arrangement of courses is such that the study of these subjects is a help rather than a hindrance to the study of the principal subjects of the College.

In the College of Technology there are four courses, as follows:

1. Mechanical Engineering (including Electrical Engineering).
2. Chemical Engineering.
3. Civil Engineering.
4. Architectural Engineering.

Each of these courses extends over four years, and on the successful completion of any one of them a diploma is awarded conferring the degree of Bachelor of Engineering in the particular course followed by the student. Opportunities are offered for the further prosecution of studies in the line of any course, on the completion of which advanced study an Engineering degree is conferred. Information in regard to advanced work will be found under the head of Graduate Work.

Since the fundamental principles underlying the subject matters of all the courses are the same, the first two years' work is substantially identical for all students. The courses diverge materially in the Junior year, and within the several courses there is opportunity for such diversity of special studies that the needs of any student can be easily met. The method of instruction is such as to give reality to the knowledge of the student in every course, and a large amount of time is given to work in the drawing rooms, the workshops, the laboratories and the field.

The course in Mechanical Engineering is substantially the same as the similar course at the best technical colleges of the country. The equipment of the workshops is exceptionally fine. The Drawing Rooms are large, well lighted and well furnished, and will accommodate a considerable number of students. The Mechanical Engineering Laboratory is being steadily improved in efficiency and completeness, and large additions will be made to its equipment for the next session. Electrical Engineering is included in this course, and the equipment of the Electrical Engineering Laboratory is hardly excelled at any American college, and certainly not approached in any institution in the South. The work in Physics and Electrical Engineering and in General and Industrial Chemistry is done in the Physical and Chemical Laboratory buildings, in which the facilities for work are excellent.

Special attention is called to the course in Chemical Engineering. Recognizing that a College such as ours should be in touch with the industries of its own section, we hope in this course to train young men who shall be especially well qualified to undertake the direction of the manufacture of sugar, of cotton and other textile fabrics, of oils, glycerine, soaps, paper, alcohol, fertilizers, or other things that will utilize the products of our own section. With this object in view, it will be the aim of the College to equip the department of Industrial Chemistry as perfectly and as rapidly as the funds available will allow.

In Civil Engineering and Architecture the facilities are already good, and will be improved as the demand for these courses indicates.

Fuller information in regard to the details of the instruction and the material equipment will be found further on under General Information.

ADMISSION.—The requirements for admission to all the courses in the College of Technology are the same. They will be found under General Information. Young men of maturity and purpose who are unable to undertake the full course in any subject may be received, at the discretion of the faculty, as special students. Every one is urged to apply for this privilege only as a last resort, as the full course is necessary for satisfactory results. No official recognition or certificate will be given for any special course.

FEES.—For information in regard to tuition fees and terms of payment see General Information.

OUTLINE OF THE SEVERAL COURSES.

The subjects studied by all students of the College are the same until the Spring term of the Sophomore year. From the beginning of that term the courses diverge. In the estimates of times, two hours of shop, laboratory, drawing-room or field work are counted as equivalent to one hour of recitation.

ALL COURSES.

Numbers in parentheses refer to Detailed Statement of Work. The other numbers indicate hours per week.

Freshman.

Fall: Mechanic Arts (1), 3; Drawing (1), 3; French (1), 6; Mathematics (1), 6; English (1), 3.

Winter: Mechanic Arts (3), 3; Drawing (2) (3), 6; French (2), 3; Mathematics (2), 6; English (2), 3.

Spring: Mechanic Arts (5) (6), 3; Drawing (4), 3; Mathematics (3), 6; English (3), 3; French (3), 6.

Sophomore.

Fall: Mechanic Arts (8), 3; Drawing (5), 3; French (4), 6; Biology (1), 3; Mathematics (4) (5), 6.

Winter: History (3), 3; Mathematics (6), 6; Chemistry (1) (2), 6; English (4) (5), 6.

MECHANICAL ENGINEERING COURSE.

Numbers in parentheses refer to Detailed Statement of Work. The other numbers indicate hours per week.

Sophomore.

Spring: Mathematics (7), 6; Mechanic Arts (9), 3; Physics (1) (2), 6; Drawing (6), 3; Descriptive Geometry, 3.

Junior.

Fall: Physics (3) (4), 6; Chemistry (3) (4), 6; Mathematics (8), 6; History (4), 3.

Winter: Physics (3) (4), 6; Chemistry (3) (4), 6; Physics (5), 6; History (5), 3.

Spring: Mechanical Engineering (1), 7; Industrial Chemistry (1), 3; Mechanical Engineering (2), 8; German (7), 3.

Senior.

FALL: Mechanical Engineering (3) (4), 5; Electrical Engineering (1), 3; Mechanical Engineering (5), 5; Physics (7), 3; German (8), 3.

WINTER: Mechanical Engineering (6), 6; Electrical Engineering (2), 3; Mechanical Engineering (4), 3; German (9), 3; History (8), 6.

SPRING: Mechanical Engineering (7), 6; Electrical Engineering (3), 3; Mechanical Engineering (8), 3; Electrical Engineering (4), 3; German (10), 6.

CHEMICAL ENGINEERING COURSE.

Numbers in parentheses refer to Detailed Statement of Work. The other numbers indicate hours per week.

Sophomore.

SPRING: Mathematics (7), 6; Mechanic Arts (9), 3; Physics (1) (2), 6; Drawing (6), 3; Descriptive Geometry, 3.

Junior.

FALL: Physics (3) (4), 6; Chemistry (3) (4), 6; Mathematics (8), 6; History (4), 3.

WINTER: Physics (3) (4), 6; Chemistry (3) (4), 6; Physics (5), 6; History (5), 3.

SPRING: Chemistry (5), 4; Physics (6), 3; Industrial Chemistry (1), 3; Mechanical Engineering (2), 8; German (7), 3.

Senior.

FALL: Chemistry (6) (7), 9; Electrical Engineering (1), 3; Mechanical Engineering (5), 5; German (8), 3.

WINTER: Mechanical Engineering (6), 6; Industrial Chemistry (2), 3; Mechanical Engineering (4), 3; German (9), 3; History (8), 6.

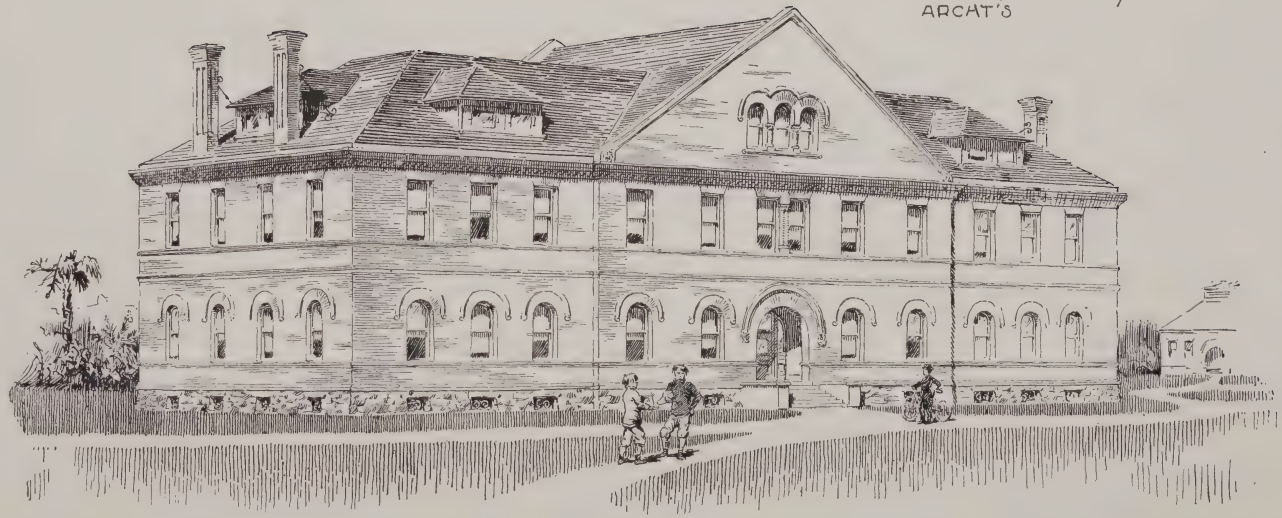
SPRING: Industrial Chemistry (3) (4), 9; Electrical Engineering (3), 3; Mechanical Engineering (8), 3; German (10), 6.

CIVIL ENGINEERING COURSE.

Numbers in parentheses refer to Detailed Statement of Work. The other numbers indicate hours per week.

Sophomore.

SPRING: Mathematics (7), 6; Civil Engineering (1), 3; Physics (1) (2), 6; Drawing (6), 3; Descriptive Geometry, 3.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Junior.

Fall: Physics (3) (4), 6; Chemistry (3) (4), 6; Mathematics (8), 6; History (4), 3.

Winter: Physics (3) (4), 6; Chemistry (3) (4), 6; Physics (5), 6; History (5), 3.

Spring: Civil Engineering (2), 4; Civil Engineering (3), 3; Industrial Chemistry (1), 3; Mechanical Engineering (2), 8; German (7), 3.

Senior.

Fall: Civil Engineering (5), 5; Civil Engineering (6), 3; Astronomy (1), 3; Civil Engineering (4), 5; German (8), 3.

Winter: Civil Engineering (7), 6; Astronomy (1), 3; Civil Engineering (8), 3; German (9), 3; History (8), 6.

Spring: Civil Engineering (9), 6; Civil Engineering (11), 3; Civil Engineering (10), 6; German (10), 6.

ARCHITECTURAL ENGINEERING.

Numbers in parentheses refer to Detailed Statement of Work. The other numbers indicate hours per week.

Sophomore.

Spring: Mathematics (7), 6; Architecture (1), 3; Physics (1) (2), 6; Drawing (6), 3; Descriptive Geometry, 3.

Junior.

Fall: Physics (3) (4), 6; Chemistry (3) (4), 6; Mathematics (8), 6; History (4), 3.

Winter: Physics (3) (4), 6; Chemistry (3) (4), 6; Physics (5), 6; History (5), 3.

Spring: Architecture (2), 4; Civil Engineering (3), 3; Industrial Chemistry (1), 3; Mechanical Engineering (2), 8; German (7), 3.

Senior.

Fall: Civil Engineering (5), 5; Civil Engineering (6), 3; Drawing (7), 3; Civil Engineering (4), 5; German (8), 3.

Winter: Drawing (8), 6; Architecture (3), 3; Architecture (4), 3; German (9), 3; History (8), 6.

Spring: Drawing (9), 6; Electrical Engineering (3), 3; Civil Engineering (12), 6; German (10), 6.

DETAILED STATEMENT OF WORK.

LATIN.

PROFESSOR DILLARD. INSTRUCTOR BROWN.

1. Cicero: Selected Orations. Latin writing, based on text read. Special study of irregular forms, with Gildersleeve's Grammar as text-book. Three times a week. Fall term.
2. Cicero: Selected Letters. Vergil: Æneid, Books VII and VIII, and Bucolica. Students in this class should be provided with Harper's, or Lewis's Latin Dictionary, and Kiepert's Classical Atlas for reference throughout the course. Six times a week. Winter term.

   (1, 2, Classical, Literary, and Latin-Scientific Freshmen.)
3. For '94-5, continuation of 1. Three times a week. Fall term. Classical, Literary, and Latin-Scientific Sophomores.
4. For '94–5, Vergil as in 2. Three times a week. Fall term. Classical and Literary Sophomores.
5. Livy: Books XXI and XXII (Westcott's edition). Miller's Latin Prose Composition for College Use (on Livy XXI). Sight reading in Nepos. Six times a week. Spring term. Classical, Literary, and Latin-Scientific Sophomores.
6. Horace: Selections from Odes and Epodes. Study of Lyric Meters. Murray's Manual of Mythology is recommended to students as a book of reference. Five times a week. Fall term.
7. Horace: Selections from Satires and Epistles (Greenough's ed.). Twice a week. Winter term.
8. Selections from Catullus and Ovid. Twice a week. Spring term.
9. Latin Grammar, with lectures on special points of syntax. Miller's Latin Prose Composition for College Use (on Cicero's Cato Maior, which will be the text in this class for practice in reading at sight). Once a week throughout the year.

   (6, 7, 8, 9, Classical and Literary Juniors.)
10. Seneca: De Vita Beata. Tacitus: Agricola. Juvenal: Selections from Satires. Five times a week. Spring term.

11. The History of Roman Literature. Lectures, with parallel reading in Cruttwell, Teuffel, Sellar, and other works in the library. Students will use as guide Professor Kelsey's Topical Outline of Latin Literature. Once a week. Spring term.

(10, 11, Classical Seniors, and elective for Literary Seniors.)

Graduate Work.

12. Early Latin: Plautus and Terence. Latin Etymology. Fall and Winter terms.
13. Cicero's Rhetorical Works. Study of the De Oratore, with assignment of parallel reading. Fall and Winter terms.
14. Tacitus: De Oratoribus. Quintilian: Book X. Advanced course in Latin writing. Spring term.
15. Private Life of the Romans. Lectures on Roman politics and religion in the last century of the republic. Theses required upon subjects assigned for special investigation. Spring term.

GREEK.

Professor Hurt. Assistant Professor Gill.

1. Lysias, Goodwin's Grammar, Jones's Greek Prose Composition. Six times a week. Fall term.
2. Herodotus, Goodwin's Grammar, Allinson's Prose Composition. Three times a week. Winter term.
3. Homer, Prosody, Allinson's Prose Composition. Three times a week. Spring term.

(1, 2, 3, Classical Freshmen.)

4. Homer, Grammar, Prose Composition. Three times a week. Winter term.
5. Demosthenes, Antiquities, written exercises. Three times a week. Spring term.

(4, 5, Classical Sophomores.)

6. Thucydides: Sicilian Expedition. Written exercises. Three times a week. Fall term.
7. Plato: Phædo, Crito, Apology. Reading at sight. Written exercises. Six times a week. Winter term.
8. Sophocles, Euripides. Schmidt's Rhythmic and Metric. Six times a week. Spring term.

(6, 7, 8, Classical Juniors.)

9. Aristophanes, History of Attic Comedy. Three times a week. Fall term.
10. Æschylus. Composition at sight. Three times a week. Winter term.

GRADUATE WORK.

11. Homeric Hymns. Fall term.
12. Pindar. Winter and Spring terms.

ENGLISH.

PROFESSOR SHARP. ASSISTANT PROFESSOR PEARCE.

INSTRUCTOR BROWN.

1. Rhetoric. Hill's Principles of Rhetoric. De Coverley Papers. Compositions every two weeks. Three times a week. Fall term.
2. Rhetoric. Hill's Principles of Rhetoric. Selected Essays of Macaulay. Compositions every two weeks. Three times a week. Winter term.
3. Literature. Period from Scott to the death of Tennyson. Pancoast's Representative English Literature. Compositions every two weeks. Three times a week. Spring term.
   (1, 2, 3, all Freshmen).
4. Rhetoric. Genung's Practical Rhetoric. Selections from De Quincey, Lowell, and Carlyle. Compositions every two weeks. Three times a week. Winter term.
5. Literature. Period from Milton to Scott. Pancoast's Representative English Literature. Three times a week. Winter term.
   (4, 5, all Sophomores).
6. History of the English Language. Champney's History of English. Three times a week. Spring term.
7. Literature. Shakespeare's Merchant of Venice, Marlowe's Edward II. Three essays. Three times a week. Spring term.
   (6, 7, all Juniors in College of Arts and Sciences.)
8. Advanced Rhetoric. Genung's Rhetorical Analysis, McLaughlin's Literary Criticism. Three essays. Three times a week. Fall term.
9. Literature. Chaucer: Prologue, Knightes Tale, and Nonne Preestes Tale (Clarendon Press ed.). Three times a week. Fall term.
10. Anglo-Saxon. Cook's First Book in Old English, Bright's Anglo-Saxon Reader. Six times a week. Spring term.
    (8, 9, 10, Classical and Literary Seniors.)

Graduate Work.

11. Anglo-Saxon Poetry. Guthlac, Andreas, Beowulf. Fall and Winter terms.
12. English Philology and Phonetics. Spring term.
13. Higher Rhetoric and Criticism. Prose masterpieces of the nineteenth century. Throughout the year.
14. Early English: 1200-1400. (For those who have taken the undergraduate Anglo-Saxon). Fall and Winter terms.
15. Tennyson and Browning. Spring term.
16. Elizabethan Poetry (exclusive of Shakespeare). Seminary (not offered in '94-5).

GERMAN.

Professor Deiler.

1. Elements of Grammar. Pronunciation. Illustration of the chief points of Grammar, with Joynes-Meissner's Grammar as text-book. Translation. Six times a week. Spring term. Literary Sophomores.
2. Joynes-Meissner's Grammar. Translation of continuous passages and short stories. Idioms. Andersen's "Bilderbuch ohne Bilder" (Bernhardt). Six times a week. Fall term.
3. Grammar completed. Selections from various authors. Conversation exercises. Saturday lectures on a variety of topics, chosen with a view to make the students acquainted with the Germany of the present day: Geography of the German Empire, history of its establishment, its government, condition, resources, industry, and commerce; its institutions; the character, occupation, customs and manners of the people; foreign and interior policy, legislation, etc. Six times a week. Winter term.
4. Review of Grammar. Schiller's "Wilhelm Tell" (Buchheim). German Composition (Harris). Conversation. History of Germany. Three times a week. Spring term.
   (2, 3, 4, Literary Juniors.)
5. Lessing's "Minna Von Barnhelm" (Buchheim). Lectures on the History of German Literature. Composition. Conversation. Three times a week. Winter term.
6. Goethe's "Meisterwerke" (Bernhardt). Lectures on German Literature. Composition. Conversation. Three times a week. Spring term.
   (5, 6, Literary Seniors.)

7. Elements of Grammar. Pronunciation. Illustration of the chief points of Grammar, with Joynes-Meissner's Grammar as text-book. Three times a week. Spring term. Classical, Latin-Scientific, Scientific, and Engineering Juniors.
8. Joynes-Meissner's Grammar. Narrative prose. Selections from authors of the eighteenth and nineteenth century. History of Germany. Three times a week. Fall term.
9. Joynes-Meissner's Grammar, completed. Selections from Schiller's and Lessing's works. Three times a week. Winter term.
10. Goethe's "Meisterwerke" (Bernhardt). History of German Literature. Six times a week. Spring term.

(8, 9, 10, Classical, Latin-Scientific, Scientific, and Engineering Seniors.)

GRADUATE WORK.

11. A course of Middle High German will be offered during session '94-5. Wright's Middle High German Primer (Clarendon Press Series). Lectures on the Literature of the twelfth and thirteenth century. Translation into Modern German. Nibelungenlied. Kudrun, Berthold von Regensburg, Hartmann's "Der arme Heinrich." Walther von der Vogelweide. Wolfram von Eschenbach.

ROMANCE LANGUAGES.

PROFESSOR FORTIER.

1. Whitney's Brief French Grammar. Legouvé et Labiche, "La Cigale chez les Fourmis." De Vigny, "Le Cachet Rouge." Six times a week. Fall term, Literary, Latin-Scientific, Scientific, and Engineering Freshmen. Spring term, Classical Freshmen.
2. Whitney's Brief French Grammar (verbs reviewed). Grandgent's Materials for French Composition, Part IV. Morceaux Choisis de Daudet. Michelet, "La Prise de la Bastille." Montgomery's Leading Facts of French History. Three times a week. Winter term.
3. Grandgent's Materials for French Composition, Part III. Fortier's "Sept Grands Auteurs du XIXe Siècle." Larive et Fleury, "Troisième Année de Grammaire." Dictation. Montgomery's Leading Facts of French History. Six times a week. Spring term.

(2, 3, Literary, Latin-Scientific, Scientific, and Engineering Freshmen.)

4. Fortier's "Histoire de la Littérature Française" (to eighteenth century). Kimball's Exercises in French Composition. Corneille, "Le Cid." Racine, "Andromaque." Molière, "Les Femmes Savantes." Dictation. Six times a week. Fall term. All Sophomores.
5. Fortier's "Histoire de la Littérature Française," (concluded and reviewed). Kimball's Exercises in French Composition (concluded). Beaumarchais, "Le Barbier de Séville." George Sand, "La Mare au Diable." Victor Hugo, "La Chute." Larive et Fleury, "Troisième Année de Grammaire" (for reference in 4 and 5). Dictation. Three times a week. Winter term. Classical and Literary Sophomores.
6. Petit de Julleville, "Le Théâtre en France." Bowen's French Lyrics. Mellé's Contemporary French Writers. Victor Hugo, "Hernani." Dictation. Essays in French. Three times a week. Winter term. Literary Seniors.
7. Gaston Paris, "Extraits de la Chanson de Roland." Théophile Gautier, "Voyage en Espagne." Mérimée, "Chronique du règne de Charles IX." Pierre Loti, "Pêcheur d'Islande." Dictation. Essays in French. Three times a week. Winter term. Literary Seniors.

Graduate Work.

No student will be admitted who has not studied Latin for at least three years.

8. Old French: Clédat, "Morceaux Choisis des Auteurs Français du Moyen Age." Clédat, "Grammaire Elémentaire de la Vieille Langue Française." Fall term.
9. Old French: "La Vie de St. Alexis." "Aucassin et Nicolète." Gaston Paris, "La Littérature Française au Moyen Age." Winter term.
10. Spanish: Edgren's Spanish Grammar. Knapp's Spanish Readings. Old French: "La Chanson de Roland." Spring term.
11. Middle French: Darmesteter et Hatzfeld, "Le Seizième Siècle en France." Jodelle, "Cléopâtre," "Didon." Chapter on education in Rabelais and in Montaigne. Fall term.
12. Modern French: Pélissier, "Le Mouvement Littéraire au XIXe Siècle." A critical study of Victor Hugo. Winter term.
13. Italian: Grandgent's Italian Grammar and Italian Composition. Puccianti, "Antologia della prosa italiana moderna." Modern French: A study of Musset, Vigny and Gautier. Spring term.
14. (No student admitted to this course who can not read simple Latin and German at sight). Romance philology and literature, with critical reading of text. Throughout year.

HISTORY AND POLITICAL SCIENCE.

PROFESSOR FICKLEN.

1. Greek History. Lectures, recitations, and preparation of abstracts. Map Drawing. A manual of Greek History will also be used. Three times a week. Fall term. All Sophomores in College of Arts and Sciences.

2. Roman History. Lectures, recitations, and preparation of abstracts. Map Drawing. Three times a week. Literary and Latin-Scientific Sophomores in Winter term; Classical and Scientific Sophomores in Spring term.

3. Ancient History. Lectures and recitations. Some text-book will also be used. Three times a week. Winter term. All Engineering Sophomores. (Professor Dillard.)

4. English History. Some manual will be used in class, but students are required to investigate a number of special studies with the aid of references given by the Professor. Three times a week. Classical and Engineering Juniors in Fall term; Literary, Latin-Scientific, and Scientific in Winter term.

5. American History. Some manual will be used in class, but students are required to investigate in the library a number of special subjects. Three times a week. Winter term. Classical and Engineering Juniors.

6. American History. A more extended course following same lines as (5), with special attention to political history. Six times a week. Spring term. Literary, Latin-Scientific, and Scientific Juniors.

7. Civics. This subject is studied with special reference to the duties of citizenship. Some manual will be used, with constant reference to Wilson's "The State," Howard's "Local Government," and "The Johns Hopkins University Studies." Questions of the day are debated in class. Six hours a week. Fall term. Literary Seniors.

8. Economics. Walker's Political Economy, Advanced Course. Constant references to Mill, Smith, Ricardo, and the modern writers. Six times a week. Winter term. All Seniors.

9. French History. Text book, with lectures. Once a week. Winter and Spring terms. All Freshmen. (Professor Fortier.)

10. German History. Lectures by the Professor. Once a week. Spring term. Literary Juniors. Once a week. Fall term. Classical, Latin-Scientific, Scientific, and Engineering Seniors. (Professor Deiler.)
11. Political Economy. More advanced course than (8). Discussion in class of some of the great economic questions of the day. History of the development of Political Economy. As reference, Cossa's Introduction to Political Economy. Six times a week. Spring term. Elective for Literary, Latin-Scientific, and Scientific Seniors.

Graduate Work.

12. Political Economy. Tariff History of the United States.
13. Profit Sharing and Co-operation.
14. Constitutional History of England.
15. The United States as viewed by three foreign writers: Goldwin Smith, James Bryce, and Von Holst.

PHILOSOPHY.

Professor Dixon.

1. Psychology, Empirical and Rational. Lectures, recitations, and theses. Six times a week. Fall term. All Seniors in College of Arts and Sciences.
2. Introduction to Philosophy, and History of Philosophy. Lectures and theses. Six times a week. Winter term. All Seniors in College of Arts and Sciences.

MATHEMATICS.

Professor Smith. Assistant Professor Pearce.

1. Solid Geometry and Advanced Algebra. Hayward's Solid Geometry, with Selections from Charles Smith's Treatise on Algebra. If deemed advisable, some time may be given to the latter half of Smith's Introductory Modern Geometry. Six times a week. Fall term. All Freshmen.

2. Solid Geometry and Advanced Algebra. A continuation of Course (1). Six times a week. Winter term. All Freshmen.

In both the above courses, Algebra and Geometry alternate.

3. Trigonometry. Smith's Clew to Trigonometry. Special attention will be given to the expression of Sine and Cosine through series and through imaginary exponentals. Six times a week. Spring term. All Freshmen.
4. Co-ordinate Geometry. Smith's Co-ordinate Geometry. Three times a week. Fall term. All Sophomores.
5. Determinants. Weld's Determinants. Three times a week. Fall term. Latin-Scientific, Scientific, and Engineering Sophomores.
6. Co-ordinate Geometry. A continuation of Course (4). Six times a week. Winter term. Latin-Scientific, Scientific, and Engineering Sophomores.
7. Infinitesimal Calculus. Smith's Infinitesimal Calculus. Six times a week. Spring term. Latin-Scientific, Scientific, and Engineering Sophomores.
8. Infinitesimal Calculus. A continuation of Course (7) and for the same students. Six times a week. Fall term. Junior Class.
9. Modern Concepts and Methods in Mathematics. The object of this course is to enable the student to orient himself in higher mathematical disciplines, to acquire insight into their aims and problems, with so much exact knowledge of their regulative notions as may fit him to select and undertake advanced work intelligently and profitably. Fundamental theorems will receive careful attention, especially such as have wide and important general relations. Six times a week. Winter and Spring term. Elective for Latin-Scientific and Scientific Juniors.

GRADUATE WORK.

10. Differential Equations. Forsyth's Treatise. Three times a week throughout the year.
11. Fourier's Series, Spherical Harmonics, etc. Byerly's Treatise. Three times a week throughout the year.
12. Functions of Complex Argument. Forsyth's Treatise, supplemented from various sources. Three times a week throughout the year.
13. Modern Higher Geometry. The study in this course will be based upon the works of Clebsch and Klein. Three times a week throughout the year.

PHYSICS.

Professor Ayres. Assistant Professor Anderson.

1. Elementary Mechanics, including Hydrostatics and Pneumatics. Text book: Lodge's Elementary Mechanics. Three times a week. Spring Term. All Sophomores.
2. Physical Laboratory. Elementary experiments, quantitative in character, intended to give definite ideas of the methods and laws of Physics, and at the same time serving as a suitable introduction to the laboratory and class work of later years. Laboratory manual, Hall and Bergen. Three periods of two hours each. Spring term. All Sophomores.
3. Heat, Electricity and Magnetism (one term); Sound and Light (one term). Lectures and recitations on General Physics. Text book, Daniell's Principles of Physics. Four times a week. Fall and Winter terms.
4. Physical Laboratory. Comparison of units, precise weighings, determinations of density, determinations of moduli of elasticity, capillarity, radiant heat, barometric readings and reductions, gravity and the pendulum, standardizing and calibration of thermometers, determinations of specific and latent heats, vapor densities and expansions. For the second term the work consists of optical, electrical and magnetic measurements, introductory to the higher work in these subjects in the Senior year. Laboratory manual, Stewart and Gee's Practical Physics. Two periods of two hours each. Fall and Winter terms.

   Courses 3 and 4 are required of Latin-Scientific, Scientific and Engineering Juniors; and are elective in other courses of College of Arts and Sciences.
5. Analytical Mechanics. Text book, Wood. Six times a week. Winter term. All Engineering Juniors.
6. Polarized Light and the Polariscope. A fuller supplemental treatment of the subject, with special reference to the sugar industry. Lectures, recitations and laboratory work. Reference books: Verdet (Optique Physique); Landolt (Handbook of the Polariscope). Three times a week. Spring term. Chemical Engineering Juniors.
7. Physical Laboratory. Advanced work in electrical and magnetic measurements. Manual, Stewart and Gee. Three periods of two hours each, Fall term. Mechanical Engineering Seniors.

8. Physical Laboratory. Advanced work in Heat, Light, Sound, Electricity and Magnetism. Three periods of two hours each. Fall and Winter terms. Elective for Latin-Scientific and Scientific Seniors.
9. Physical Laboratory. Partly class and laboratory work. Six times a week. Spring term. Elective for Latin-Scientific and Scientific Seniors.

GRADUATE WORK.

10. Electricity and Magnetism, and the Electro-magnetic Theory of Light. Lectures and Quiz. Based upon Maxwell, Mascart and Joubert, Gray and Poincaré. Three hours a week throughout the year.
11. Physical Optics. Lectures and Quiz. Based upon Verdet (Optique Physique), Poincaré (Theorie de la Lumière), and Preston (Theory of Light). Three hours a week throughout year.
12. Thermodynamics and the Kinetic Theory of Gases. Lectures and Quiz. Based upon Bayne, Watson, and Clausius. Three hours a week throughout the year.

    Courses 10, 11 and 12 are given from year to year according to the needs of students.

13. Absolute Measurements in Electricity and Magnetism. Determinations of electromotive force, current, permittance, inductance and magnetic elements in absolute measure. Three hours, or three laboratory periods of two hours each, throughout the year.
14. Advanced Laboratory Work in Optics. Diffraction, Spectroscopy and Polarized Light. Three laboratory periods of two hours each throughout the year.
15. Photography. One period a week. Spring term.
16. Readings and Discussions. Reports on assigned readings of journals and discussion of current physical literature. One period weekly, two hours.

ASTRONOMY.

PROFESSOR AYRES.

1. Spherical and Descriptive Astronomy. Special consideration of geodetic problems. Text book, Young's General Astronomy. The work in this course is partly in class and partly practical work in determining latitude, longitude, right ascension, dec-

lination, the rating of clocks, and such other astronomical operations as are possible with the equipment at hand. Three times a week. Fall and Winter terms. Required of Civil Engineering Seniors. Open to graduates.

CHEMISTRY.

Professor Caldwell.

1. Elementary Chemistry. Text-book, Roscoe's Inorganic Chemistry, or Williams's Introduction. Three times a week. Winter term. All Sophomores.
2. Chemical Laboratory. Introductory laboratory practice for the purpose of familiarizing students with the appliances, methods of manipulation and processes of the laboratory, including pneumatic chemistry. Laboratory manual, Remsen's, or Williams's. Three periods of two hours each. Winter term. All Sophomores.
3. General Chemistry. Lecture demonstrations and recitations, involving general principles, laws of chemical combination, and a description of the elements and their important compounds. Text-book, Richter's Inorganic Chemistry. Four times a week. Fall and Winter terms. Latin-Scientific, Scientific, and Engineering Juniors. Also elective in other courses of College of Arts and Sciences.
4. Chemical Laboratory. Blowpipe practice and Qualitative Analysis. Laboratory guide, Clowes, or Jones. Two periods of two hours each. Fall and Winter terms. For same students as (3).
5. Chemical Laboratory. Quantitative Analysis, gravimetric and volumetric. Laboratory manual, Hartley, or Sexton. Four periods of two hours each. Spring term. Chemical Engineering Juniors.
6. Organic Chemistry. Recitations and demonstrations. Text-book, Remsen's Introduction to the study of the Carbon Compounds. Six times a week. Fall term. Latin-Scientific, Scientific, and Chemical Engineering Seniors.
7. Chemical Laboratory. Laboratory exercises, divided between Quantitative Analysis and Practical Organic Analysis. Manual for Organic work, Orndorff; for Quantitative Analysis, same as in course (5). Three periods of two hours each. Fall term. For same students as (6).

8. Theoretical Chemistry. Text book, Lothar Meyer, or Ostwald. Six times a week. Spring term. Latin-Scientific and Scientific Seniors.

GRADUATE WORK.

9. Crystallography. The mathematical and physical relations of the various crystal systems, together with methods of measurement of crystal angles. Text book, Williams's Crystallography. Three times a week.
10. Physical Chemistry, including Thermo-Chemistry. Text books, Muir and Wilson, Thorpe and Rucker. Three time a week.
11. Mineralogy. Descriptive and determinative. Largely laboratory exercises. Text book, Dana. For reference, Brush. Three times a week.
12. Demonstrations of chemical principles and the undertaking of chemical problem, such as equivalent, atomic, and molecular weights.
13. Readings and discussions on current chemical topics. One hour a week.

GEOLOGY.

PROFESSOR CALDWELL.

1. Principles of Geology, considered under divisions of Dynamical, Structural, and Historical Geology. Text-book, LeConte's Elements. Three times a week through the year.
2. Mineralogy and Crystallography. (See Chemistry 9 and 11.)
3. Paleontology.
4. Practical and Economic Geology.

BIOLOGY.

PROFESSOR ORR.

1. Elementary Course. Comparative structure and physiology of plants and animals. Three times a week, partly class and partly laboratory work. Fall term. Scientific and Engineering Sophomores.
2. Elementary Course. Continuation of (1). Six times a week, partly class and partly laboratory work. Spring term. Scientific Sophomores.

3. Vertebrate Anatomy, Histology and Physiology. Text-book, Martin's Human Body. Six times a week, partly class and partly laboratory work. Fall and Winter terms. Elective in Classical and Literary Courses, Junior.

4. Same course as (3). Six times a week. Winter and Spring terms. Elective in Latin-Scientific and Scientific Courses, Junior.

5. General Morphology and Embryology. General methods of microscopical investigation. Lectures on the classification, development and distribution of animals, and the Theory of Evolution. Three times a week. Fall and Winter terms. Elective in Latin-Scientific and Scientific Courses.

6. Continuation of (5). Partly class and partly laboratory work. Six times a week. Spring term. Elective in Latin-Scientific and Scientific Courses.

7. Physiography. A general introduction to the scientific work of the College of Arts and Sciences. Three times a week. Spring term. Required of Latin-Scientific and Literary Freshmen.

Graduate Work.

8. Physiology of the Nervous System. Lectures and laboratory work. Three times a week throughout the year.

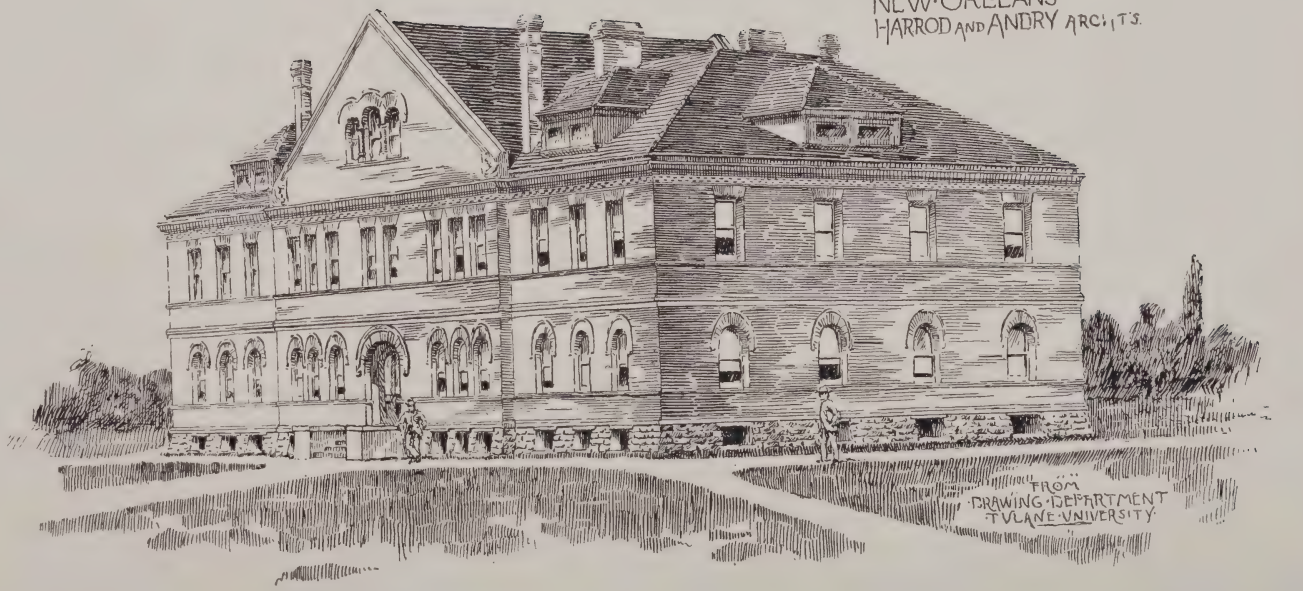
9. Invertebrate Zoology. Advanced laboratory work. Throughout the year.

MECHANICAL ENGINEERING.

Professor Creighton. Assistant Professor Cooper.

1. Kinematics of Machinery. Under this head the principles underlying the action of the various combinations of machine elements are considered without regard to the strength of those elements. Then follows the communication of motion by gear wheels, belts, cams, link work, automatic feed motions, epicyclic motions, parallel motions and quick return movements. In the drawing room, the student designs different kinds of bevel and spur gearing with the various odontographs. Various curves and cams, and velocity ratios of the separate pieces in a complex mechanism are laid out. Some work will be done in the Graphical Statics of mechanism. Recitations, four hours, and laboratory, six hours per week. Spring term. Mechanical Engineering Juniors.

2. Strength of Materials. This subject includes the study of the strength in tension and compression, the elasticity and other physical properties of wood, iron, steel, stone, etc. The bending moment, shearing stress and deflection of beams and pillars under various methods of loading and fastening are deduced from theoretical investigations and verified by experiment in the testing laboratory. Tests will also be made of the tensile and compressive strengths of various compositions of hydraulic cement. Five recitations and six hours' laboratory work per week. Spring term. All Juniors in College of Technology.
3. Valves and Links. The laws of movement of plane slide valves, Corliss valves, gridiron valves, independent cut-off valves and link suspension will be studied and applied to the design of valves to fulfil required conditions. Two exercises per week, recitation and laboratory. Fall term. Mechanical Engineering Seniors.
4. Steam Boilers. The construction and management of the various cylindrical, fire tubular and water tubular boilers will be discussed, together with the causes and prevention of their deterioration. In the laboratory, an original design of a tubular boiler with its setting and chimney will be made, the student drawing up a specification and bill of materials and making an estimate as to probable cost. The remainder of the time will be devoted to steam boiler testing, determining the quality of steam and the efficiency of the boiler. Three recitations per week, Fall term; Three exercises per week in the laboratory, Winter term. Mechanical Engineering Seniors.
5. Machine Design. The forms and dimensions of fastenings, bearings, rotating and sliding pieces, belted and tooth gearing and levers will be studied. Both empirical and rational formulæ will be used. In the laboratory students will make drawings to scale of simple but complete machines that will fulfil given requirements. The distribution of power and the arrangement of shafting in manufacturing establishments will be discussed. Two recitations and six hours per week in the laboratory. Fall term. Mechanical and Chemical Engineering Seniors.
6. Thermodynamics. A study of the application of the laws of heat to the steam engine, hot air and gas engines, compressed air engines and refrigerating machines. The influence of clearance, jacketing, cylinder condensation, wetness of steam, etc., are also considered. Six recitations per week. Winter term. Mechanical and Chemical Engineering Seniors.


THE CHEMICAL LABORATORY
TULANE UNIVERSITY OF LA
NEW ORLEANS
HARROD AND ANDRY ARCHITS.
FROM
DRAWING DEPARTMENT
TULANE UNIVERSITY

7. Steam Engine Design. In this course the student works out the stroke and diameters of the cylinders of simple, compound and triple expansion engines to generate a given horse-power, the best form and dimension of piston rods, connecting rods, crank shafts and fly wheels. The effect of cushioning, the influence of the inertia of the reciprocating parts on crank pin pressure, the action of fly wheels and ball governors are all carefully studied. Six recitations per week. Spring term. Mechanical Engineering Seniors.

8. Steam Engineering. Students will make a steam engine test, having first tested the accuracy of every instrument used. Testing steam gauges, indicators, pumps and various other instruments, with some exercise in designing the important parts of a steam engine, will also be given. Three exercises per week in the laboratory. Spring term. Mechanical and Chemical Engineering Seniors.

Graduate Work.

9. Advanced Machine Design. Theory and practice in the modern machine shop in the design of lathes, planers, milling machines, drills, measuring machines, grinding machines, gear-cutting machines, erecting engines and machinery. Testing machinery.

10. Advanced Steam Engine Design. Thermodynamic efficiency of the steam jacket under various conditions. Thermodynamic efficiency of compound triple and quadruple expansion engines. Design and construction of steam engines of the most advanced types. Discussions on the requirements of steam engine plants producing engines with interchangeable parts.

11. Hydraulics. Steam pumps, their construction and erection; turbines, their theory, construction and design; hydraulic machinery, such as cranes, elevators, punching and shearing machines. Transmission of power by water pressure.

12. Engineering Laboratory. Extended use of the various testing machines to acquire a thorough acquaintance with the properties of materials of construction under various conditions. More extensive tests of the best conditions of working of engines of different types, steam boilers, and pumping plants. Visits of inspection to typical plants.

Advanced courses in this department will lead to the degree of Mechanical Engineer.

ELECTRICAL ENGINEERING.

PROFESSOR AYRES.

ASSISTANT PROFESSOR ANDERSON. INSTRUCTOR HUGUET.

1. Dynamo Construction and Design. Lectures, recitations and laboratory tests on dynamo machines. Text book, Jackson on Electromagnetism and the Construction of Dynamos, supplemented by the Professor's notes. Three times a week. Fall term. Seniors in Mechanical and Chemical Engineering.
2. Alternating Electric Currents. Lectures, recitations and laboratory tests of alternating machines and transformers. Professor's lecture notes. Three times a week. Winter term. Seniors in Mechanical and Chemical Engineering.
3. Electric Systems and Installations. Lectures, recitations and tests on direct and alternating systems, both incandescent and arc, and on motors of different kinds. Principles of wiring and planning of installations are also considered. Professor's lecture notes. Three times a week. Spring term. Seniors in Mechanical, Chemical and Architectural Engineering.
4. Dynamo Laboratory. Practical laboratory work by the students in testing and operating the various kinds of machines. Three times a week. Spring term. Seniors in Mechanical Engineering.

Courses 1, 2, 3 and 4 form a general preliminary study of Electrical Engineering preparatory to the courses below.

GRADUATE WORK.

5. Alternating Electric Phenomena, with special reference to the design of alternating dynamos, motors and transformers, and the laying out of alternating plants. Professor's lecture notes, with references to Jackson, Vol. II, Fleming (Alternate Current Transformer, Vols. I and II), and Bedell and Crehore. Three times a week. Fall and Winter terms.
6. Electric Railways, in theory and practice. Lectures on the mechanical and electrical details of such roads. Professor's notes, Crosby and Bell, Fairchild. Three times a week. Spring term.
7. Dynamo Laboratory. Advanced experimental study of dynamo machinery. The excellent collection of such machines possessed by the University gives unsurpassed facilities for the exhaustive study of questions in Electrical Engineering. A reference to the description of the equipment in this department will show this to be true.

8. Readings and Discussions. Reports on assigned reading of technical journals, and discussion of current electrical literature and new works. One period weekly, two hours.

Advanced courses in this department will lead to the degree of Mechanical Engineer; and note will be made on the diploma that the student has devoted special attention to Electrical Engineering.

INDUSTRIAL CHEMISTRY.

Professor Ordway.

1. Materials of Construction. Lectures and recitations on the sources, properties and uses of the materials used in engineering operations. This includes woods, stones, metals, cements, etc. Three times a week. Spring term. Engineering Juniors.

2. General Industrial Chemistry. A general course on the applications of chemical principles in the arts. Three times a week. Winter term. Chemical Engineering Seniors.

3. Industrial Chemistry. Continuation of (2) and specialization in the direction of the industries of our own section. Six times a week. Spring term. Chemical Engineering Seniors.

4. Industrial Chemistry Laboratory. Laboratory practice in the various operations required in the investigation of practical problems. The continued analytical work will have particular reference to materials and the useful and waste products of chemical manufactures. Six hours a week. Spring term. Chemical Engineering Seniors.

Besides acquiring a familiarity with the best text books, the students in Industrial Chemistry will be called upon to search out, collate, and summarize special memoirs in English, French and German.

Graduate Work.

Graduate courses will be offered in any of the following groups of subjects: (a) Sugar, Starch and Glucose; (b) Textile Manufactures, including Scouring, Bleaching, Dyeing and Printing; (c) Metallurgy; (d) Oils and Soaps; (e) Manufacture of Acids, Alkalies and Salts; (f) Pottery, Glass, Cements; (g) Electrochemistry; (h) Sanitary Chemistry, including foods, poisons, waters, drainage; (i) Tanning, India-rubber; (j) Paints

and Varnishes; (k) Fermentation products—Alcohol, Vinegar; (l) Illuminating and Fuel Gas; (m) coal-tar products; (n) Explosives.

An advanced course in any approved groups of these subjects will lead to the degree of Chemical Engineer.

CIVIL ENGINEERING.

ACTING PROFESSOR ORDWAY.

1. Surveying and Plotting. The work is partly in the class room, partly in the drawing room, and partly in the field. Practice with the Compass, Cross, Level, Barometer, Transit, Sextant and Plane Table. Text book, Johnson's Surveying. Three exercises a week. Spring term. Civil Engineering Sophomores.
2. Railroad and Highway Engineering. Location, construction and economics of roads. Four times a week. Spring term. Civil Engineering Juniors.
3. Stereotomy. Theory and construction of the arch. Lectures, recitations and drawing. Three times a week. Spring term. Civil and Architectural Juniors.
4. Theory of Structures and Graphical Statics. Lectures, recitations and drawing. Five times a week. Fall term. Civil and Architectural Engineering Seniors.
5. Bridges and similar structures. A systematic study of existing types of these structures, with the engineering details of their location and construction. Five times a week. Fall term. Civil and Architectural Engineering Seniors.
6. Design of Structures. Exercises in the drawing room in the design of bridges and roof trusses. Intended to accompany and supplement (5). Six hours a week. Fall term.
7. Masonry Design and Construction. Lectures and designs. Six hours a week. Winter term. Civil Engineering Seniors.
8. Hydraulic Engineering. The general principles of Hydraulics, Hydraulic Motors, and the utilization and control of water power. Laboratory practice. Three times a week. Winter term. Civil Engineering Seniors.
9. Engineering Design. Drawing room work on engineering designing. Twelve hours a week. Spring term. Civil Engineering Seniors.

10. Engineering Practice. An attempt will be made in this course to have the student do actual engineering work of a character best adapted to train him for the special work in which he proposes to engage. Six hours a week. Spring term. Civil Engineering Seniors.
11. Levee Construction. A course of lectures on the Mississippi River and its tributaries and on the problems presented by them. Three lectures a week. Spring term.
12. Plumbing, Heating and Ventilating. Six hours a week. Spring term. Architectural Seniors.

GRADUATE WORK.

Graduate courses extending over one or two years will be offered to students desiring them on special lines of study, as—

(a) Roads, Railways, Bridges, Viaducts and Tunnels.
(b) Rivers, Canals, Reservoirs, Dams and Embankments.
(c) Water Supply, Irrigation, Drainage and Sewerage.
(d) Arches, Roofs, Frames, Lifting and Moving Appliances.
(e) Lighting, Heating, Ventilating and Sanitary Arrangements.

These courses lead to the professional degrees of Civil or Architectural Engineer.

ARCHITECTURE.

PROFESSOR WOODWARD.

1. Orders. A course introductory to the systematic study of architectural history and design. Three recitations a week. Spring term. Architectural Sophomores.
2. Architectural History. Four lectures and recitations a week, Spring term. Architectural Juniors.
3. History of Ornament. Three lectures and recitations a week. Winter term. Architectural Seniors.
4. Architectural Styles. Three lectures and recitations a week. Winter term. Architectural Seniors.

DRAWING.

PROFESSOR WOODWARD.

1. Free Hand Drawing. Elementary forms, free hand perspective, shading with pen and brush. Six hours a week. Fall term. All Engineering and Scientific Freshmen.

2. Free Hand Drawing. Six hours a week. Winter term. Continuation of (1) and required of the same students.
3. Mechanical Drawing. Use of instruments. Projection and intersection of solids, Isometric, Constructive and Scale Drawing. Six hours a week. Winter term. All Engineering and Scientific Freshmen.
4. Mechanical Drawing. Six hours a week. Spring term. Continuation of (3) and required of same students.
5. Mechanical Drawing. Six hours a week. Fall term. Continuation of (4) and required of all Sophomores in the College of Technology.
6. Special Instruction. Six hours a week. Spring term. For Mechanical and Chemical Engineers, Machine Drawing. For Civil Engineers, Topographical Drawing and Coloring. For Architectural Engineers, Shades and Shadows, and Mechanical Perspective with pen and ink rendering. Tracing and Blue Printing are practiced in all courses. Sophomores.
7. Architectural Drawing. Special reference in design to climatic conditions. Special study of the Styles that developed along the shores of the Mediterranean. Study of local Colonial architecture. Six hours a week. Fall term. Architectural Seniors.
8. Architectural Drawing. Continuation of (7). Attempts to develop a style in harmony with local conditions and modern life. Twelve hours a week. Winter term. Architectural Seniors.
9. Architectural Drawing. Continuation of (8), and Original Design. Twelve hours a week. Spring term.

In Courses 7, 8 and 9, Free Hand Drawing, with water coloring, drawing from casts of ornament in charcoal, and modeling in clay will be made strong features. The Drawing Rooms are especially well lighted and the collection of casts and material, such as architectural books, photographs, drawings, blue prints, etc., is being constantly added to by donation and otherwise.

MECHANIC ARTS.

PROFESSOR CREIGHTON. ASSISTANT PROFESSOR COOPER.

INSTRUCTOR ————————.

1. Carpentry. A series of exercises in planing, sawing, rabbeting, plowing, paneling, splicing, mortising, tenoning, dovetailing, and other work involving the common carpenter tools. Six hours per week of shopwork. Fall term. All Engineering Freshmen.

2. Technical Instruction. Lectures on the character of cutting tools for wood, the care and adjustment of wood-working tools, shrinkage and warping of woods, the form, adaptation and relative strengths of joints. One hour per week. Fall term. All Engineering Freshmen.
3. Forging. Iron forging includes exercising in heating, bending, drawing, upsetting, welding, annealing and case-hardening. Steel forging includes the making and tempering of punches, chisels, machine cutting tools, gravers and springs. Six hours per week of shopwork. Winter term. All Engineering Freshmen.
4. Technical Instruction. Lectures on the management of iron and of steel in forging, hardening, tempering, and annealing. One hour per week. Winter term. All Engineering Freshmen.
5. Wood Turning and Pattern Making. Exercises in turning cylindrical, spherical, and other curved surfaces. Exercises in pattern making, including patterns and cores for columns, pipes, pipe joints, pulleys and gears. Four hours per week. Spring term. All Engineering Freshmen.
6. Foundry. Exercises in moulding, core making, casting, managing cupolas and crucible furnaces. Two hours per week. Spring term. All Engineering Freshmen.
7. Technical Instruction. Lectures on wood-working machines, including rotary and traverse planers, circular, scroll and band saws, lathes, lathe attachments. Velocity of shafting and wood-working tools. Patterns, moulding and casting. One hour per week. Spring term. All Engineering Freshmen.
8. Vise and Machine Work. Exercises in vise work, including chipping, keyseating, filing to size, round filing, sawing, scraping, grinding valve seats. Machine work in metals includes exercises in turning, planing, slotting, drilling, thread cutting, pipe cutting, boring, fluting. Occasional lectures will be given on the proper velocity of shafting and machines and the proper use of cutting tools in metal work. Six hours per week. Fall term. All Engineering Sophomores.
9. Continuation of (8). Six hours per week. Spring term. Mechanical and Chemical Engineering Sophomores.

GENERAL INFORMATION.

CONDITIONS OF ADMISSION.

Applicants for admission to the Freshman Class must be not less than sixteen years of age.

Entrance examinations September 28 and 29.*

GENERAL REQUIREMENTS FOR ALL THE COURSES.

ENGLISH.—An accurate knowledge of the principles of English Grammar and of Grammatical Analysis. For the latter, Dalgleish's Grammatical Analysis is recommended.

The candidate will be required to write as a part of the examination a composition of at least 300 words, on a topic selected by the examiners from some one of the works named below. No candidate that shows himself deficient in ability to write good English will be admitted into any of the courses.

Books indicated: Longfellow's Courtship of Miles Standish, Irving's Sketch Book, Dickens's David Copperfield, Hawthorne's House of the Seven Gables, and Scott's Talisman. For 1894-95 the requirements in English composition will be those announced in the last catalogue. The topic selected will be from Scott's Ivanhoe or Shakespeare's Julius Cæsar.

MATHEMATICS.—Algebra, through Quadratic equations: the equivalent of the first 240 pages of Chas. Smith's Elementary Algebra. Plane Geometry: the equivalent of W. B. Smith's Introductory Modern Geometry.

In addition to the above, the following special requirements are prescribed for the respective courses:

CLASSICAL COURSE.

LATIN.—1. Translation at sight of simple prose,† with questions on the usual forms and ordinary constructions of the language. 2. Translation into Latin of easy sentences, such as may be found in the

*Students complying with the requirements announced in the Catalogue for 1893-4 will be accepted.

†The passages set for translation from Latin and Greek must be rendered into good English. Teachers are requested to insist upon the use of idiomatic English as an essential part of the pupil's training in translation.

first 58 pages of Gildersleeve's Latin Exercise Book, or in the first 54 pages of Collar's Latin Composition.

Greek.—The translation at sight of easy Attic prose,* with a sufficient knowledge of the common forms and constructions to translate into Attic Greek simple English sentences, such as may be found in the first 20 lessons of Jones's Greek Prose Composition, or an equivalent from Collar and Daniell's Beginner's Greek Composition.

LITERARY COURSE.

Latin.—Same as in the Classical Course.

History.—The leading facts of the History of the United States. Outlines of General History to the Middle Ages.

LATIN-SCIENTIFIC COURSE.

Latin.—Same as in the Classical Course.

History.—Same as in the Literary Course.

SCIENTIFIC AND ENGINEERING COURSES.

Latin.—Same as in the Classical course; or

French.—Reading of simple French prose at sight. Whitney's Brief French Grammar is recommended; or

German.—Reading of simple German prose at sight.

History.—Same as in Literary Course.

Applicants for admission to any advanced class or special course of the Colleges will be examined on a fair equivalent of the studies previously completed by the class.

Graduates of the following named schools will be admitted to the Freshman Class, without examination, upon the presentation of certificates from the principals of said schools attesting the preparation and fitness of the candidate upon the requirements above prescribed for admission to the respective courses.

Such certificate of the principal of the school should state in detail the studies pursued by the student, the amount of time devoted to each study during the year, the work actually done and the proficiency attained as shown by school record, with a general recommendation for conduct and studious habits. Printed forms of application can be obtained, upon application, from the Secretary of the University.

Tulane High School.

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*The passages set for translation from Latin and Greek must be rendered into good English. Teachers are requested to insist upon the use of idiomatic English as an essential part of the pupil's training in translation.

New Orleans City High School.
L. C. Ferrell's Select School for Boys.
T. W. Dyer's University School.
Thatcher Institute, Shreveport, La.
New Iberia High School.

It is of great importance that all students shall enter promptly at the beginning of the session. A delay of a few days may affect injuriously the progress and standing of the student for the session.

COURSES OF STUDY

RECOMMENDED TO HIGH SCHOOLS AND ACADEMIES.

The following courses of study are recommended to High Schools and Academies as suitable preparation for the Freshman Class. But, while the order of studies and books indicated are suggested as desirable, they are not treated as obligatory upon the schools and their candidates. Thoroughness of preparation and fullness of information in the subjects set down in the "Conditions of Admission" are the tests of scholarship for entrance.

Since the requirements for admission to the Freshman Class are as light as any college of good standing can permit, it becomes a matter of the first importance that the preparation should be thorough and satisfactory.

In the first year the studies should be the same for all pupils. The following studies are recommended:

1. Arithmetic reviewed and completed and Algebra begun. Text Books: Wentworth's or Wells's Practical Arithmetic. C. Smith's or Taylor's Elementary Algebra; or equivalents.
2. History of the United States: Hansell's, Scudder's, Montgomery's, or Johnston's.
3. English Language: Reading, Dictation, Grammar. Whitney and Lockwood's English Grammar, or an equivalent.
4. Latin. Collar and Daniell's Beginner's Book, or Gildersleeve's Latin Primer.

SECOND YEAR.

1. Algebra continued. W. B. Smith's Introductory Modern Geometry, or an equivalent.
2. English Analysis. Practice in Composition. Dictation exercises.
3. History of Louisiana (for Louisiana pupils). Outlines of General History: Myers's, Barnes's, or Swinton's, to Middle Ages.

4. Greek. Beginner's Greek, or Book Primer. One book of Xenophon. Alternative, Chemistry: Roscoe's Primer, with laboratory methods.
5. Latin. Gildersleeve's Reader and Exercise Book, or ten lives of Nepos and Collar's Exercise Book. Books II and III of Cæsar. Alternative, French: Chardenal's First French Course; Super's French Reader.

THIRD YEAR.

1. Original Composition. Dalgleish's Analysis. Brooke's Primer of English Literature, and Richardson's Primer of American Literature.
2. History; former book continued.
3. Algebra and Geometry of second year continued and completed: Halsted's Elementary Synthetic Geometry is also recommended.
4. Greek. Hadley and Allen's Grammar. Jones's Greek Prose Composition and Xenophon's Anabasis (three books). Alternative, Gage's Physics, with laboratory methods.
5. Latin. Cæsar (Books I and IV), and as much of Vergil's Æneid as practicable. Continuation of writing Latin. Alternative, French: Chardenal's Second French Course, Larive et Fleury's "Deuxième Année de Grammaire," Reading of Nineteenth Century tales and comedies.

It has been deemed advisable to make no requirement in Drawing of applicants for admission to College. But it will be remembered that it is one of the branches prescribed by the public school authorities of Louisiana, and that the most advanced and enlightened thought on educational matters throughout the United States recognizes it as an efficient agent in education, desirable in all cases as a mode of expression, and in scientific and technical studies as fundamental and absolutely necessary. Hence, it is urgently recommended to such schools as have adequate equipment and means that the instruction should be given by proper methods. The following is a well considered outline of work adapted to the three years of High School study above recommended.

FIRST YEAR.

Free Hand Drawing from Elementary Forms and from Objects and Plants.

SECOND YEAR.

Free Hand Drawing from Objects, Plants, and Casts of Historical Ornament. Elements of Design. Problems of Plane Geometry. Constructive Drawing.

THIRD YEAR.

Free Hand and Mechanical Perspective. Projections and Developments of Solids. Design. Constructive Drawing to Scale.

LIBRARIES.

Librarian, CHARLES G. GILL, A. M., Ph. D.

Assistant Librarian, MISS MINNIE BELL.

The Tulane Library contains valuable scientific and literary publications and is a depository of public documents; constant accessions are made to it through donations and purchase. It already contains about 15,000 volumes, embracing many choice literary and scientific works.

The Scientific Section is constantly receiving accessions of valuable publications, either by purchase, or by exchange of the publications of the New Orleans Academy of Sciences with the leading scientific bodies of the world. Readers and students in this section have access to the large and very valuable private library of Professor Ordway, which is constantly receiving additions of new books as they are published.

The Literary Section contains the best editions of standard French and English authors, and fine editions of the Latin and Greek Classics.

The collection of public documents has been steadily augmented, and now contains about 5000 volumes.

The Fisk Library contains about 14,000 volumes and is increased yearly at the rate of about 500 volumes. It contains the best standard works and current literature, including all the leading literary periodicals. The Reading Room of this Library is open to the public from 9 A. M. to 5 P. M., and is largely attended by an intelligent class of readers. Every facility is given to readers for finding the books and information they desire.

The State Library, containing 26,000 volumes, is deposited in the Law Building of the University, corner Tulane avenue and University Place, and is open daily from 9 A. M. to 3 P. M., and from 4 to 6 P. M.

Students have the use of books free of charge. This library includes a very valuable collection of Foreign and American Law Books and Law Reports, and of historical and documentary works.

LIBRARY REPORT FROM MAY, 1893, TO MAY, 1894.

The accessions during the past year have been as follows:

Tulane Library.

Donations.	Vols.
From Miss Marie Augustin	1
" Mr. Clarence W. Bowen	1
" Miss J. G. Buhler	59
" Mrs. Chas. M. Conrad	70
" Mr. E. Counsel	1
" Prof. J. H. Deiler	1
" Mr. Henry Ginder	1
" Colonel Wm. H. Hallett	2
" Messrs. F. F. Hansell & Bro	1
" Mr. N. P. Hill	1
" Mr. Ulrice Hoeple	1
" Pres. W. P. Johnston	132
" Mrs. W. P. Johnston	1
" Mr. Thomas McCaleb	1
" Mr. P. Melon	1
" Mr. L. A. Scherck	1
" Mr. J. W. Sullivan	2
" American Pharmaceutical Association	1
" Bowdoin College	1
" California Mining Bureau	1
" Clarksville Confederate Monumental Association	1
" Departments of U. S. Government	250
" Georgia Geological Survey	1
" Harvard University	1
" Illinois Bureau of Labor	1
" Massachusetts Bureau of Labor	2
" Meadville, Pa., Theological School	1
" New Orleans Academy of Sciences	115
" New York Bureau of Labor	4
" Royal Society of Canada	1
" University of the State of New York	1
	585
By purchase	445
Number of volumes added during the year	1030

Fisk Free Library.

Donations.	Vols.
From Miss J. G. Buhler	5
" Prof. J. R. Ficklen	1
" Mrs. W. P. Johnston	1
" Rev. J. L. Kibbler	1
" Mr. Abbot Kinney	1
" Mr. Thomas McCaleb	1
" New York Bureau of Labor	4
" Tulane University Medical Department	1
" Departments of U. S. Government	12
	27
By purchase	1004
Number of volumes added	1031
Total number of volumes added to the Libraries	2061

LABORATORIES.

Physics.—The work in Physics is carried on in the new Physical Laboratory, a description of which has already been given. This building, having been carefully planned, affords, of course, every facility for physical demonstration and research. Piers for steady support, excellent arrangements for the use of sunlight, freedom from magnetic disturbance, water, gas and electric supply are all that could be desired. The electric current for arc and incandescent lights and for electric motors, as well as for demonstration purposes, is arranged so that by means of a central switchboard it can be led to any pier and to convenient places in every room. This current is under perfect control by means of large resistance coils of German silver and iron wires, by which any current up to 100 or more amperes, direct or alternating, can be obtained with great ease.

The instrumental equipment of the Laboratory is quite full and excellent. The instruments are of the most approved forms, and are from the best makers of this country and Europe. The apparatus is principally from the following celebrated makers: Ritchie, Queen, Green and Becker, in this country; Browning, Patterson and Cooper and Elliott Brothers, London; White, Glasgow; Duboscq, Hoffman, Carpentier, DeMeritens and Breguet, Paris; Edelmann, Munich; Rueprecht, Vienna; Societe Genevoise, Geneva. It is selected with special reference to accurate measurements, and there is sufficient duplication to allow of the successful working of classes in the laboratory. It is believed that in these respects it is equaled by very few equipments in the country.

A well equipped workshop, run by an electric motor, is in the Laboratory, and a mechanician is almost constantly employed in the manufacture, repair and modification of apparatus. Some of the most useful instruments in the collection have been made in this shop.

Chemistry.—The work in General and Industrial Chemistry is carried on in the new Chemical Laboratory. Here there are ample accommodations for a large number of students in every kind of laboratory work, and the building is fitted up with all necessary work tables, hoods, sinks, and other conveniences for work. Water and gas are plentifully supplied at every needed point, and electric current of any strength is available for electrolytic use, as well as for lighting and power. A large amount of additional apparatus will be

provided for the ensuing session, to supplement the present equipment, which has been sufficient for past needs. The work in Industrial Chemistry will also be well provided for.

Biology.—The work of the Department of Biology will be carried on for the present in the Physical Laboratory, where several rooms, including a large general laboratory, 50 by 32 feet, and a lecture room, 33 by 21 feet, have been provided for its needs. All necessary apparatus for the work of the Department, such as microscopes and accessories, and all necessary tables and cases have been provided, and additions will be made for the ensuing session. The equipment of the laboratory is particularly well adapted for the purposes of those desiring to study the microscopical anatomy, embryology, or morphology of any of the organisms which occur in this region, and which make it a rich field for investigators.

Astronomy.—While the University has as yet no fixed observatory, it is provided with a good deal of apparatus that can be utilized in astronomical observations. It has two five-inch portable telescopes, one equatorial and one altazimuth in mounting, a sextant, a small transit instrument, a break circuit clock and chronograph, a heliostat and several spectroscopes, as well as a number of globes and models, and a collection of astronomical lantern slides. One of the telescopes was presented by Mr. J. R. Beckwith, of New Orleans, and has increased value as the product of his own skill and labor. The University grounds afford an excellent place for astronomical observation.

Mechanical Engineering.—The work of the Department of Mechanical Engineering (including Mechanic Arts) is carried on in the large group of buildings erected for the purpose. It is believed that in every respect they are well adapted to the work to be done in them.

The equipment of the Mechanical Engineering Laboratory will be materially improved for the next session, as many additions in the way of testing machines of different kinds and other apparatus will be then provided, but detailed information can not be given at this time. In addition to the steam and water plant of the University, the Corliss Engine of the Electrical Laboratory and the shop engine of 20 H. P., there is a vertical engine of 6 H. P. (built largely by the students), an Otto gas engine of 7 H. P., a transmission dynamometer, a brake dynamometer, a testing machine for transverse tests, a Riehlé Brothers cement testing machine and a collection of attachments, a number of calorimeters, measuring tanks, indicators, planimeters, etc.

The workshops are large, well lighted and fully equipped. They are undoubtedly without a peer in the South, and will be improved from time to time as needed.

The carpenter shop is furnished with thirty independent benches, each supplied with a set of all the tools required. The wood-turning and pattern-making shop is provided with thirty lathes and pattern-maker's benches, two jig saws, a grindstone, a large pattern-maker's lathe, a buzz planer, a circular saw and a power saw for cutting off material for work.

The forge shop contains thirty forges with fan blast. The foundry will be fitted up immediately with all necessary moulding benches, flasks, tools, etc., and with a brass furnace. It is contemplated to add a cupola furnace for iron in the near future.

The machine shop contains the steam engine of 20 H. P. for driving the shop machinery, a grindstone, a machine drill, a hand drill, a planer, a shaper, an emery wheel, a buffing wheel, six engine lathes, six speed lathes and fifteen vise benches. At one end of the machine shop, and between it and the pattern shop, is located the tool room and store room for supplies.

In the same group of buildings as the shops is located the steam plant of the University, from which all steam for heating the buildings and supplying them with water and light is taken. In the boiler room are situated boilers of the capacity, at present, of 150 H. P., of the Stirling Water Tube form. Here are also located the pumps for handling the water supply and the condensed water from the steam pipes from the various buildings. A feed water heater and purifier is also located here. The water for the steam plant and other general purposes is derived from an artesian well, 750 feet deep, located near the boiler house. Steam is carried from the boiler house to the Corliss engine in the Electrical Laboratory and to the shop engine. It is also carried into the Mechanical Engineering Laboratory, for experimental purposes. The brick stack adjoining the boiler house is of graceful proportions and is 100 feet in height.

Electrical Engineering.—The Electrical Engineering Laboratory is a building 50 by 40 feet in size, and is well lighted and ventilated. In it is located a Reynolds-Corliss engine of 40 H. P., from the E. P. Allis Co. This engine is belted on to a counter shaft, from which is taken off by friction-clutch pulleys the power for the machines. By this arrangement the students working in this laboratory can start and stop the various machines without necessitating a stop-

MECHANICAL & ELECTRICAL LABORATORIES
TULANE UNIVERSITY OF LA.
NEW ORLEANS
HARROD AND ANDAY ARCHTS

page of the engine. In all, there are over twenty dynamos and motors of various kinds, and other apparatus, as follows:

A large compound-wound incandescent dynamo, with station instruments.

(This machine supplies the current for lighting the buildings and running motors and fans, but is available for experimental purposes.)

Two Edison compound-wound dynamos with all accessories, which are installed so as to form a complete model three-wire system, with its lamps, mains, feeders, pressure wires, amperemeters, indicators, etc.

A Slattery (Fort Wayne) 600-light alternating dynamo, with exciter and all necessary station instruments, meter and lamps, and six converters ranging from five to fifty lights capacity.

A Wood (Fort Wayne) fifteen-light arc dynamo, with automatic regulator, station instruments, and single and double carbon arc lamps.

A large and handsome switch-board for these two machines has been presented by the Fort Wayne Company. It is of antique oak, cabinet form, with the instruments mounted on black enameled slate.

A Thomson-Houston eight arc light dynamo, with station instruments, a full complement of arc lamps of various patterns, and series incandescent equipment.

An Edison Company eight arc light dynamo, with station instruments, a full complement of arc lamps, and automatic regulator.

A De Meritens one arc light machine.

Several small machines, illustrating various details of construction and the historical development of this class of generators.

A seven and a-half H. P. Sprague compound-wound motor.

A two H. P. Baxter motor.

A two H. P. Southern Electrical Company motor.

A one H. P. Southern Electrical Company motor.

A fan motor, Southern Electrical Company.

The last three machines were presented by the manufacturers.

Two 3-4 kilowatt Edison motors.

One 1-2 kilowatt Edison motor.

One 1-4 H. P. Edison "Slow Speed" motor.

A plant of storage batteries.

Two arc lamps for incandescent circuits, presented by the Siemens & Halske Company of America.

In the above equipment are included no less than sixteen arc lamps of different kinds.

Among measuring instruments for strong currents may be mentioned amperemeters from Weston, Ayrton and Perry, Bergman & Co., Fort Wayne Company, Thomson-Houston Company and a Thomson Electric Balance from White, Glasgow, as well as two tangent galvanometers of about three feet in diameter and a Helmholtz-Gaugain galvanometer from Elliott Brothers, London. These afford the means for all classes of current measurement, either direct or alternating. Among voltmeters may be named the Weston, Ayrton and Perry, Wood and Cardew, as well as other arrangements operating by the potentiometer, high resistance and electrostatic methods. Tests requiring special conditions of steadiness, freedom from magnetic disturbance, etc., are carried on in the Physical Laboratory, distant 300 feet, which is connected to the Electrical Engineering Laboratory by heavy conductors and telephone lines.

The necessary smaller apparatus, such as tachometers, speed indicators, electric meters, lamp banks, etc., are also at hand. A darkened room with Bunsen photometer and Methven standard gives the means for the study of luminosity.

In this laboratory are done the testing of machines for conductor and insulation resistance, the study of the law of the electro-magnet in dynamo machines, magnetic leakage, determination of the strength of field in absolute measure, the mapping of the characteristics of shunt, series and compound-wound machines, electrical and commercial efficiencies of dynamos and motors, the determination of the candle powers of arc and incandescent lamps, and the study of the influence on them of various conditions of potential, etc., the study of the phenomena of alternating current and tests of transformers.

The work in dynamo design and the laying out of installations is done in the Physical Laboratory, where drawing tables and appliances, with excellent light, are provided.

Civil Engineering.—The work in Civil Engineering is largely done in the Chemical Laboratory building. The third floor of that building affords facilities similar to those in the Physical Laboratory for the drawing in connection with the work in Civil Engineering and Industrial Chemistry. The equipment for work in Civil Engineering is reasonably good. There are several instruments, such as level, compass, transit, plane table, chains, rods, etc., and additions will be made as demanded.

Drawing and Architecture.—The Drawing Rooms occupy the whole second floor of the Mechanical Engineering building. There are five large rooms, which are excellently well lighted from skylights in the roof, as well as by a large number of windows. Drawing tables are provided for a large number of students, and there are convenient arrangements for the storing of drawing boards and finished drawings. There are a large number of casts, and examples of architectural details, in plaster, terra-cotta and metals, as well as complete outfits for work in wood carving and clay modeling. It is intended to make, on the third floor of this building, a Museum of Architectural details, and a collection of Architectural drawings and trade catalogues bearing on the subjects of the Architectural Engineering course.

MUSEUM.

Committee of Supervision.

Professors Caldwell, Ordway, and Orr.

Miss J. G. Buhler, Custodian.

The object of the Tulane Museum is to furnish opportunities of illustration and study, both to the classes of the University and to the public at large. To this end the specimens have been grouped in departments with reference both to scientific order and convenience of examination.

Mineralogy.—In this department we have a classified series of over 1500 specimens, representing about 300 species. Also several local collections, showing rocks, ores, and other minerals from the various States and Territories.

Geology and Lithology.—We have over 3000 classified fossils of all ages, and a set of "Casts of Celebrated Fossils," nearly 700 in number. We have also a general statigraphical series showing the rocks of the various periods, from the Archæan to the Quaternary, and a special series illustrating the geology of New York.

Botany.—The Tulane Herbarium contains 12,000 to 15,000 specimens, representing over 4000 species, American and European. This includes the collections of Dr. Josiah Hale and of Professors John L. Riddell and Wm. M. Carpenter, formerly deposited with the New Orleans Academy of Sciences.

The Herman Curtius Herbarium consists of about 8000 specimens of German and Polish plants; the F. Lascar collection of about 300 European medicinal species. We have also collections of Louisiana plants, of woods, nuts, seeds, fungi, etc.

Zoology.—All the classes and nearly all the important orders of the animal kingdom are represented by specimens, dry, alcoholic, or stuffed, and about a dozen skeletons. There are also a number of beautiful models, illustrating the lower forms of life.

Anthropology.—This department is still very incomplete, though greatly enriched during the past year, especially by the liberality of the Smithsonian Institution. The American section includes aboriginal bones and relics of various kinds—pottery, bows, arrow heads, stone-axes and implements, etc.; also modern bows, arrows, ornaments and domestic implements. Also a few "war relics."

We have also a few curios from Asia, Africa and Australia. But of special interest are two Egyptian Mummies, with their cases and wrappings—one of them an official of high rank under Osorkon II, probably a contemporary of Asa, King of Judah.

Educational and Economical.—The South Gallery is occupied by specimens of the work of the Drawing and Manual Training Classes of the University and similar work done elsewhere, while the North Gallery contains specimens of the building stones, ores, etc., of the various States.

Mr. George E. Beyer, an accomplished naturalist and skilful taxidermist, was employed during the last session in collecting and mounting zoological, ornithological and oölogical specimens found in Louisiana, mounting and preparing skulls and skeletons and cabinet skins and doing kindred scientific work in connection with the Museum.

By this means considerable addition has been made to the mounted specimens of the mammals, birds, reptiles, fishes, to be found in and about Louisiana.

In some branches of his work Mr. Beyer has been aided by the Tulane Natural History Society, a club formed by the students for the study of natural history. His lectures and practical demonstrations in his laboratory have been of great service in stimulating and directing the work of this society.

Mr. Allen B. Blakemore, of the class of '94, an active member of this Natural History Society, has donated his excellent collection of

eggs, and also contributed by his personal efforts to enlarging the oölogical collection of the museum.

The following donations have been made to the Museum since the publication of the last catalogue:

From Mrs. A. G. Davenport, Texas,
Pars Verna and Pars Hiemalis—two Latin books of devotion, published in 1682; Mexican cane, carved by Indian with a common penknife.
From Edward J. Bailey, Bonaca, Honduras,
Box of shells, sponges, sea-beans, etc.
From J. D. Rivers, New Orleans,
Two young sting-rays (Trygon).
From G. T. Shilling, New Orleans,
Five Mexican opals, cut.
From D. Desdunes, New Orleans,
Two large spiders from Lake Katawatchy.
From R. H. Elliott, New Orleans,
Cypræa shells, and leaves of silver plant from Cape of Good Hope, Africa.
From the Venezuelan consul, New Orleans,
Venezuelan medal, Columbian Exposition, 1893.
From Rev. Mr. Hyland, New Orleans,
One modern Egyptian coin.
From Mrs. Eleanor Brown, New Orleans,
Blue heron, mounted.
From. Z. T. Wood, New Orleans,
Wood carving from Columbia, South America.
From Mrs. A. L. Redden, New Orleans,
Bolls of "Nankeen" cotton, from Acadia.
From Mrs. Wm. P. Johnston, New Orleans,
Austrian coin of 1780—head of Maria Theresa.
From Dr. J. W. Caldwell,
Collection of fossils, etc.
From Mrs. Ellen Woods, through Mr. W. O. Rogers,
Collection of minerals, shells, etc.

ART MUSEUM.

Professor Wm. Woodward, Art Director.

LINTON-SURGET HALL.

The Art Museum embraces the Linton-Surget collection of works of art donated to the city of New Orleans by the late Mrs. Eustace Surget, of Bordeaux, France, and by an ordinance of the City Council placed under charge of the Administrators of Tulane University:

valuable historical portraits and marble statuary, donated by Mrs. C. B. Surget, of Bordeaux, France; the loan collection of Mrs. J. L. Harris and Mrs. Samuel H. Kennedy, of New Orleans, and a miscellaneous collection of bronzes, marbles, paintings, engravings and other works of art, donated or loaned to the University.

MEDALS.

Special prizes for marked excellence and for superior attainments are annually given upon commencement day, in the form of gold medals. These are designated as:

I. Glendy Burke Medals, which are awarded, one for elocution, one for superior attainments in mathematics, and one for an English Essay.

II. The Judah Touro Medals, awarded for excellence in Latin, in Greek, and in Ancient History.

III. A Louis Bush Medal, for the best Essay in the French language.

No medal is awarded except when marked excellence is exhibited in the subject of the competition.

In all cases where the awarding of medals is not distinctly specified by the terms of the donation, the students must compete on the basis of work above and beyond the prescribed course, said work to be assigned by the Faculty at the end of each session for the succeeding session.

All medals, except the one for elocution, are open to competition on the part of all undergraduates. In the case of the Elocution Medals, however, competition is restricted to such undergraduates as are members of Literary Societies recognized by the Faculty. But no medal shall be awarded to any student who has failed or been conditioned for the session at the close of which it is awarded.

For the session closed June 15, 1893, the Glendy Burke Medal for Elocution was awarded to James B. Guthrie, Jr., class of '96.

The Judah Touro Medal for Ancient History was awarded to Benjamin Palmer Caldwell, class of '93.

The Glendy Burke, Judah Touro, and Louis Bush funds, from the proceeds of which these medals are given, were donated for the purpose by the generous persons whose names they bear, and who have thus become identified with the history of the University.

DEGREES AND DIPLOMAS.

Students completing the Classical, Literary or Latin-Scientific course will receive the degree of Bachelor of Arts; and students completing the Scientific course will receive the degree of Bachelor of Science. Students completing the courses of the College of Technology will receive the degree of Bachelor of Engineering.

Students of conspicuous ability, industry and attainments will be graduated "with distinction."

Students pursuing special courses will not be entitled to diplomas or degrees.

LITERARY EXERCISES.

General Literary Exercises for the purpose of encouraging the arts of Essay Reading and Elocution will be held weekly in the Assembly Hall of the College of Arts and Sciences. The exercises will be under the immediate direction of the Faculty, the members of which will criticise and correct the several efforts of the students.

Students are urged to join one of the Literary Societies of the University, which are recognized as agencies of great value and importance in the same direction. Contestants for the Glendy Burke Medal for Elocution must be members of one of these societies and recommended for the contest by a majority vote of their respective organizations.

DISCIPLINE.

Tulane University is, in tone, Christian, but not sectarian. This is the spirit it strives to inculcate. The discipline of the institution is mild, but firm. The students are presumed to be gentlemen, and a high standard of honor and truthfulness is inculcated and maintained. When a student is found deficient in either, or is so delinquent in industry or punctuality as to offer a bad example to his comrades, his parents are respectfully notified to withdraw him. Habitual immorality, or any gross breach of discipline, is visited with suspension, dismissal, or expulsion, according to the circumstances.

In order to avail itself of the full benefit of parental aid and control in securing good conduct and punctuality, the University advises parents *immediately* of all cases of bad conduct, absence or tardiness by their sons. Monthly reports of class standing, progress, and

conduct, are also sent; and, at the end of each term, a circular summarizing those facts, together with the results of his examinations.

Students whose parents do not reside in the city are required to have a guardian, who shall stand in the place of a parent, and to whom reports are made.

University students will be allowed the fullest freedom consistent with good order.

The regularly matriculated students of the Colleges constitute its Academic Corps and elect a Board of Directors, to which for the past eight years has been entrusted the general discipline of the Academic Corps. This system has worked satisfactorily.

EXPENSES.

The tuition fee for the next annual session is eighty dollars, payable in three instalments, as follows:

At the opening of the session, October 1, thirty dollars.

At the beginning of the Second Term, January 2, twenty-five dollars.

At the beginning of the Third Term, March 26, twenty-five dollars.

Bills are presented, therefore, and must be paid October 1, January 2, and March 26.

In the Law Department the annual charge is eighty dollars, which must be paid in advance, at matriculation.

Candidates for the degree of Doctor of Philosophy are exempt from tuition fees.

Students furnish their own books, drawing instruments and drawing utensils, and are required to pay the cost of the apparatus which may be broken or damaged by them in the laboratories, and also any other damage to the University property.

There are no extra charges.

Tuition should be paid each term in advance. No deduction is made for absence of less than half a term. When the absence exceeds half a term and the student has been withdrawn from the College because of continued sickness or other sufficient cause, a proportionate part of the amount paid will be refunded. Any application for restitution of tuition must be made within sixty days after the withdrawal of the student.

BOARD AND LODGING.

Students can obtain board and lodging at from $20 to $25 per month in approved boarding houses or private families. The University authorities pay particular attention to placing them, according to the wishes of their families, under such religious or social influences as may be indicated. Special arrangements are made, through leading gentlemen, with Roman Catholic, Protestant and Jewish families of culture, and of American, French, German or Spanish nationality, to receive our students as boarders. They thus have the religious and social influence desired, and the opportunity to obtain a familiar knowledge of the modern language in which they specially wish practice.

SCHOLARSHIPS.

The University grants about one hundred and seventy-five scholarships, in Collegiate Departments, which are filled by nominations from the State Senators and Represenatives, Board of Administrators of the Tulane Educational Fund and by the Mayor of New Orleans.

The Administrators, in accordance with the terms of the act establishing the University, have adopted the following rules in regard to the candidates for the scholarships to be filled:

1. As provided in said act there shall be one such scholarship for each Senator and each Representative in the State, and it shall confer the privilege of free tuition.

2. Whenever a vacancy exists in the scholarship it may be filled by the then sitting member for that district; provided, however, that the vacancy must be filled before the expiration of his term, otherwise his successsr shall make the nomination.

3. The candidate must be a *bona fide* resident of the district or parish from which he is appointed; that is, his parents, or guardian, shall be domiciled in said parish or district.

4. He must be a white male youth, thirteen years of age, to enter the High School, or sixteen years of age to enter the College.

5. He may enter any regular class for which he is found prepared, after satisfactory examination by a committee appointed for that purpose by the President of the University. No candidate will be accepted or allowed to matriculate who is not at least qualified to enter the High School of the University.

6. His application for admission to the University must be in writing, stating the name and postoffice address of his parents or guardian; the date of his birth; and if his parents do not reside in New Orleans, the name of a responsible citizen, resident here, who will act as his guardian.

7. Accompanying his letter of application he must present his credentials. His nomination shall be made out in the following terms:

I, A B.....for the.....
State of Louisiana, hereby nominate.....
son of.....and.....to fill the vacancy in the scholarship in the Tulane University of Louisiana, accorded me as.....from this.....
The said.....is a male white youth, thirteen years of age, of good moral character, and a *bona fide* resident of the said.....
[Signed].....
.....from.....

8. In order to identify the signature to such appointment of the Senator or Representative making it, his signature must be acknowledged by him before some competent State official.

9. Before matriculation the said scholar must sign a promise to obey, in good faith, the laws of this State and of the University, and to conduct himself as a good student and as a gentleman. He will then matriculate, and will be furnished with a certificate thereof, will be enrolled on the books of the University, and considered a member of the Academic Corps, and subject to its regulations until graduation, resignation, death, or dismissal. The president shall assign him to such class or classes as his examination shows him competent to enter.

The number of free scholarships during the past season has been:

In the High School	39
In the College	66
In the University	20
Total	125

By whom appointed:

Representatives	37
Senators	18
Mayor of New Orleans	8
Board of Administrators	26
Public and Private Schools	6
Sons of Professors	10
University Students	20
Total	125

By a resolution of the Administrators of the University, an additional scholarship in Tulane College is annually awarded to that student of the Sub-Freshman Class who shall be selected by the Tulane High School Faculty as most distinguished for scholarship, deportment, and punctuality, and another is awarded in like manner to the City High School.

Tulane University has sedulously sought to extend the benefits of the higher education to every part of the State by urgent invitation to State Senators and Representatives to fill the free scholarships from their respective districts, and by granting free tuition liberally to meritorious and needy students. Thus, in the nine years last past, from 1884 to 1893, Tulane University has given free tuition, amounting to 903 annual sessions, of which 525 were filled by appointment of members of the Legislature, 88 by the Mayor, and 290 by the Board of Administrators. Some of these have remained as much as nine years under the instruction and care of the institution. Avoiding duplicate registration the actual attendance of free students during the nine years has been 412, appointed as follows: by members of the Legislature, 260; by the Mayor, 30; by the Board of Administrators, 122; total, 412. More than one-half of the students above High School grade enjoyed free tuition during the past session. This has been cheerfully granted, but it is felt that those who are able to pay tuition should do so, as otherwise the resources and efficiency of the institution would be seriously impaired. The total amount of free tuition granted in the period named, at the rate paid for tuition, and of gratuities to indigent students, is $67,869.46; and in 1892-93, alone, Tulane University contributed in this way $13,349.46. Twenty Graduate, or University, students were thus encouraged during the year. It is our aim to help all who deserve help in the direction of higher education.

ATTENDANCE.

During the session of 1893-94 the attendance in the different departments of the University was as follows:

High School	90
University and College	157
H. Sophie Newcomb Memorial College	188
Free Drawing School	408
Law Department	76
Medical Department	377
Total	1296

UNIVERSITY EXTENSION.

The principles of University Extension were in active operation in Tulane University for several years before the introduction of the system in this country. During the nine annual sessions of the Free Drawing School nearly five thousand students, male and female, have received systematic and continuous instruction in various branches of drawing from the professors of the University. During these nine years there have also been public lectures, singly or by series, on various literary and scientific subjects, the lecturers being members of the Tulane Faculty, or eminent scholars and educators invited from other places for the purpose. During the past session the work has been pushed forward and broadened in different directions of study.

Owing to a large number of lectures given during the season and absorbing much of the literary energy of our people it was deemed best to limit the work of the University, in this direction, to the immediate demand.

The following list will serve to indicate the Tulane University lectures during the past session:

English History as Illustrated by Shakespeare's Plays, a course of seven lectures given in the Hall of Newcomb College, by Rev. Beverley Warner:

I. King John: II. Richard the Second, The Lancastrian Usurpation. III. Henry the Fourth. IV. Henry the Fifth. V. Henry the Sixth. VI. Richard the Third. VII. Henry the Eighth.

Seven lectures, by Colonel W. H. Hallett:

I. The Story of Macbeth. II. Julius Cæsar. III. Pathos and Humor in Shakespeare. IV. Othello and Iago. V. Heroes and Heroines in Shakespeare. VI. The Stories of Tennyson. VII. Merchant of Venice.

Mr. William Beer, Librarian of the Howard Memorial Library, delivered a course of six lectures on Bibliography: I. The Alphabet; II. The Art of Printing; III. The Book; IV., V., and VI., the Science of Bibliography applied to the study of Literature, Art, and Science.

TULANE HIGH SCHOOL.

(Discontinued After Present Session.)

When the University of Louisiana was transferred to Tulane University a large proportion of its students were pursuing their studies in the High School. At that time and under the existing circumstances its continuance and improvement were necessary. There were very few good schools in the State, and for a long time the Tulane High School was the only adequate source of supply of students for the college, at one time furnishing as much as 85 per cent. of its matriculates. This arrangement was, however, intended to be temporary and until such time only as the private academies and public high schools should fulfil their proper function of secondary education and conform their standard and instruction to our requirements. It is believed that this period has now arrived and that the Tulane High School, which has rendered such important and efficient service to secondary education in Louisiana, may now be discontinued without serious detriment to the higher education which it was intended to sustain. It is hoped that its place may be filled by the New Orleans City High School and the thriving academies and high schools of the State, and that the University will be able to devote its entire resources to its legitimate function, the highest education of the people.

To this end every encouragement consistent with its other obligations will be given by the University to the secondary schools, besides the advantage of the withdrawal of a formidable rival from competition for students.

In order that the discontinuance of the Tulane High School may be effected with as little inconvenience as possible to its students, it was determined that for the annual session beginning October, 1893, and ending June, 1894, the Preparatory Class should be discontinued, no students being admitted below the grade of the Intermediate Class. During the last annual session, therefore, there were two classes only, designated as Intermediate and Sub-Freshman.

The High School will be discontinued after 1894, but those students entitled to promotion to the Sub-Freshman Class and other

qualified persons will be taught by the regular instructors of the Colleges during the coming year, provision having been made for their accommodation in the College of Arts and Sciences.

Students finishing the Sub-Freshman course of study will be entitled to the diploma, as heretofore promised, and in case of superior excellence to a diploma with distinction.

FREE DRAWING SCHOOL.

CORPS OF TEACHERS, 1893-1894.

PROFESSOR WM. WOODWARD.

INSTRUCTORS: W. WASHINGTON DOVE, JNO. P. PEMBERTON, CHARLES A. FAVROT, C. C. HAWTHORNE.

The Free Drawing School of Tulane University during the last session completed the ninth year of its existence. While it has been somewhat apart from the strict line of University work it has conferred benefits upon the general public in the elevation of popular intelligence and in the special training of individuals in both practical and æsthetic matters, in industrial drawing and the fine arts.

The Saturday morning classes have been attended by ladies, some of them teachers in our public schools, members of the Normal classes and others seeking to increase their knowledge of an art useful to them in their work or conducive to larger enjoyment of their tastes. The attendance has been good and the students have manifested commendable zeal in their efforts.

The Evening classes, composed of mechanics, apprentices, clerks and other young men engaged in some industrial pursuit during the day, have steadily grown in interest from year to year. The attendance during the past session has been larger than before and satisfactory results have been secured by the earnest and faithful efforts of the students under the instruction of Professor Woodward and his assistants.

The removal of the University to the new site, involving the sale of the Manual Training Building, has compelled the abandonment of the Free Drawing School.

The attendance the past session in the several classes was as follows:

SATURDAY CLASSES FOR WOMEN.

Drawing, Advanced Perspective	24
Drawing, Elementary Perspective	37
Mechanical Drawing, Elementary	13
Mechanical Drawing, Advanced	4
Design	11
Historic Ornament	34
Figure Sketch	13
Advanced Sketch, Head Sketch	9
	145

EVENING CLASS FOR MEN.

Sketch, Figure, 7, Head, 7	14
Free Hand, Senior	4
Free Hand, Junior	11
Free Hand, Elementary	23
Mechanical, Senior	1
Mechanical, Junior	5
Mechanical, Elementary	43
Architectural Drawing, Junior 17, Senior 12	29
Preparatory Class, Men	75
Preparatory Class, Boys	56
Post Graduates, Mechanical Perspective	2
To all Classes	263
Total admission for session 1893-94	408
Total admission for nine annual sessions	4702
Total number of students finishing their classes	1681

For the session of 1893-94 one hundred and two certificates have been issued, as follows: Distinguished 41, Meritorious 52, Satisfactory 9. No certificates are issued for work done in the Preparatory classes.

CATALOGUE OF STUDENTS.

SIXTEENTH ANNUAL SESSION, 1893-94.

UNIVERSITY DEPARTMENT.

BACKUS, SAMUEL HARRIS: A. B., Tulane, 1893. French, Biology, Chemistry.

BARR, JOHN CHRISTIE: B. S., Tulane, 1893. Latin, Greek.

BUTLER, PIERCE: A. B., Tulane, 1892. History, English Literature, French, German, Chemistry.

BROWN, WILLIAM PRENTISS: A. B., Washington and Lee University, 1892. Latin, Greek, English.

CALDWELL, BENJAMIN PALMER: A. B., Tulane, 1893. Chemical Laboratory, Physics, Physical Laboratory, Mathematics.

CONRAD, PAUL JOSEPH GERMAIN: A. B., Tulane, 1891. Electrical Engineering.

CUNNINGHAM, EDWARD BRAHAN: Va. Military Institute, 1892. Steam Engineering, Physics, Chemistry, Applied Mechanics, Industrial Chemistry.

ERNEST, ELLA B.: A. B., H. Sophie Newcomb Memorial College, 1893. Latin, English Literature, History.

GILMORE, MARY: A. B., H. Sophie Newcomb Memorial College, 1892. Latin, French, History.

HAULARD, MARCEL VALENTIN: B. S., Tulane, 1893. Electrical Engineering.

HUGUET, CHARLES KELLS: B. S., Tulane, 1892. Electrical Engineering.

HYNES, EDWARD: B. S., Tulane, 1892. Electrical Engineering.

LOMBARD, JOHN EDWARD: B. S., Tulane, 1892. Electrical Engineering.

MALOCHEE, HENRY JOSEPH: B. S., Tulane, 1889. Electricity.

MIDDLEMISS, PETER RUPERT: A. B., Va. Military Institute, 1889. Electrical Engineering.

POWERS, MARGARET G.: A. B., H. Sophie Newcomb Memorial College, 1890. Chemistry, Physics, Biology.

RAPP, JAMES HUGHES: A. B., Tulane, 1892. Biology, Chemistry, Greek.

RICHMOND, MARTHA: B. S., H. Sophie Newcomb Memorial College, 1893. Latin.

SPENCER, ADDIE E.: A. B., H. Sophie Newcomb Memorial College, 1890. Chemistry, Physics, German, Calculus.

STEVENS, WILLIAM LEWIS: B. S., La. State University and A. and M. College, 1893. Mathematics, Mechanics, French, Architectural Art.

WALLS, WILLIAM EDWARD: A. B., Tulane, 1892. Latin, German, Roman History.

COLLEGE.

SENIOR CLASS.

ADLER, JULIUS ..... Engineering ..... 429 Canal.
Tulane High School, 1890.

BLAKEMORE, ALLEN BRUCE ..... Engineering ..... 280 St. Andrew.
Tulane High School, 1889.

BRITTON, JOHN DYSON, JR. ..... Literary ..... 250 Amelia.
Tulane High School. 1890.

BUTLER, CHAUNCEY WILLIAMS ..... Literary ..... 398 Carondelet.
A. S. Leche's School, 1890.

CONNIFF, JOHN ROBINSON ..... Literary ..... 154 Marengo.
Tulane High School, 1890.

DELERY, GASTON CHARLES ..... Engineering ..... 282 North Roman.
A. B., College of Immaculate Conception, 1891.

DIXON, JAMES CARSON ..... Classical ..... 332 St. Charles.
Tulane High School, 1889.

FAVROT, LEOPOLD MORTIMER ..... Engineering ..... Port Allen, La.
Tulane High School, 1890.

FERRANDOU, EDWARD ..... Scientific ..... 363 Canal.
A. B., College of Immaculate Conception, 1891.

FORSYTH, DOUGLAS ..... Classical ..... 204 Prytania.
Tulane High School, 1890.

LABOUISSE, JOHN PETER ..... Engineering ..... 217 Thalia.
Massachusetts Institute of Technology, 1892.

LEWIS, WALTER STANFORD ..... Literary ..... 207 St. Charles.
T. W. Dyer's School, 1890.

LION, LEON ELIE ..... Engineering ..... 240 Burgundy.
Tulane High School, 1890.

LOGAN, GEORGE KING ..... Engineering ..... 241 Prytania.
T. W. Dyer's School, 1890.

MARTINEZ, EUGENE DOMINGO ..... Engineering ..... 971 Magazine.
Tulane High School, 1890.

MATHIS, LOUIS JOHN JOSEPH ..... Engineering ..... 1329 St. Charles.
Tulane High School, 1890.

METESSER, CLARENCE ..... Engineering ..... 1838 St. Charles.
A. S. Leche's School, 1890.

SCHERCK, LEON HENRY ..... Engineering ..... 439 Magazine.
A. S. Leche's School, 1890.

VILLAVASO, ERNEST JOSEPH ..... Literary ..... 452 North Claiborne.
Tulane High School, 1890.

VILLERE, ST. DENIS JULIEN ..... Engineering ..... 447 Dauphine.
College of Immaculate Conception, 1891.

WATERMAN, CHARLES CATE ..... Engineering ..... 240 Jackson.
Tulane High School, 1890.

JUNIOR CLASS.

BENSON, DANIEL WALTER ..... Engineering ..... 76 Valmont.
Tulane High School, 1891.

BOWLING, JOSEPH RAPHAEL ..... Engineering ..... 751 St. Charles.
College of Immaculate Conception, 1891.

CARRE, HENRY BEACH ..... Classical ..... 393 Canal.
Tulane High School, 1891.

DEIMEL, EDGAR FREDERIC ..... Engineering ..... 701½ Burgundy.
New Orleans City High School, 1891.

GULOTTA, LEROY BAKER ..... Classical ..... 356 Chestnut.
Tulane High School, 1891.

HOWE, WIRT.....Classical.....216 Second.
T. W. Dyer's School, 1891.

KITTREDGE, WILLOUGHBY EATON..Literary.....Albemarle, La.
Tulane High School, 1891.

KLORER, JOHN, JR.....Engineering.....118 Ursulines.
Tulane High School, 1891.

LEMANN, ISAAC IVAN.....Classical.....1599 St. Charles.
Tulane High School, 1891.

MCGEHEE, ARTHUR MERWIN, JR..Literary.....Port Adams, Miss.
Tulane High School, 1891.

MORPHY, LOUIS ALBERT.....Literary.....Cadiz and Prytania.
Tulane High School, 1891.

PERRILLIAT, LOUIS.....Scientific.....6 St. Ann.
Tulane High School, 1889.

POTTS, JOHN JAMES.....Engineering.....Monroe, La.
University of the South, 1892.

PRENTISS, SEARGENT SMITH, JR.....Classical.....33 Polymnia.
Tulane High School, 1891.

RICHARDSON, FRANK LIDDELL, JR.Engineering.....198 Sixth.
S. W. Presbyterian University, Clarksville, Tenn., 1891.

RIGHTOR, EDWARD.....Literary.....367 St. Andrew.
A. B., College of Immaculate Conception, 1892.

THIBAUT, PIERRE LEONCE.....Classical.....12 St. Ann.
Tulane High School, 1891.

VON PHUL, NOLAN STEWART.....Engineering.....Port Allen, La.
Tulane High School, 1891.

WOODS, ANDREW ALFRED, JR.....Engineering.....418 Prytania.
T. W. Dyer's School, 1891.

SOPHOMORE CLASS.

ALLISON, ALEXANDER, JR.....Scientific.....282 Jackson.
Williston Seminary, Easthampton, Mass, 1893.

BENSON, MADISON HAWTHORNE.....Classical.....152 Annunciation.
Tulane High School, 1892.

BUCHANAN, JAMES ROBERT.....Engineering.....209 Delachaise.
Tulane High School, 1892.

CARTER, THOMAS LANE, JR.....Engineering.....Sheffield, Ala.
Tulane High School, 1892.

CHILTON, JOHN POINDEXTER.....Engineering.....Tallula, Miss.
Tulane High School, 1892.

CHURCHILL, FRANK GORDON.....Engineering.....749 Magazine.
A. S. Leche's School, 1891.

CUSACHS, CHARLES VALERIEN.....Engineering.....428 Carondelet.
A. B., University of Barcelona, 1892.

DEBUYS, RATHBONE EMILE.....Engineering.....467 Esplanade.
Tulane High School, 1892.

DIXON, WILLIAM ACKERMAN.....Classical.....332 St. Charles.
Tulane High School, 1892.

DUFOUR, HORACE GENERES.....Engineering.....173 Carondelet.
Tulane High School, 1892.

ERNEST, ALGERNON SIDNEY.....Scientific.....86 Eleanor.
New Orleans City High School, 1892.

EUSTIS, ALLEN CHOTARD.....Scientific.....230 Jackson.
Tulane High School, 1892.

EVANS, CHARLES AYLMER.....Classical.....Meridian, Miss.
Tulane High School, 1891.

FENNER, CHARLES ERASMUS.....Literary.....Calhoun and Benjamin.
T. W. Dyer's School, 1892.

FORMAN, ALFRED HENNEN.....Scientific.....1544 St. Charles.
Tulane High School, 1891.

FOWLER, EDWARD ALLEN.....Engineering.....358 Coliseum.
New Orleans City High School, 1892.

GORDON, FRANK MCNAIRY.....Engineering.....276 Josephine.
T. W. Dyer's School, 1892.

GUTHRIE, JAMES BIRNEY, JR.....Scientific.....240 Napoleon.
New Orleans City High School, 1892.

HARRAL, ELBERT BIRD.....Literary.....206 Second.
A. S. Leche's School, 1892.

HENDERSON, WILLIAM, JR.....Engineering.....230 Jackson.
Tulane High School, 1892.

HUEY, LEMUEL QUIN.....Engineering.....224 Pleasant.
New Orleans City High School, 1892.

HYATT, EDWARD CLARENCE.....Engineering.....198 Camp.
Tulane High School, 1892.

JACOBS, ALBERT SYDNEY.....Engineering.....Washington, La.
Tulane High School, 1892.

JOHNSON, WARREN.....Engineering.....85 Erato.
T. W. Dyer's School, 1892.

JOOR, WILLIAM EUGENE.....Engineering.....939 Laurel.
Tulane High School, 1892.

JORDAN, HARRISON.....Literary.....Rayville, La.
Tulane High School, 1892.

LAMBERTON, PLACIDE MARC.....Classical.....215 Delachaise.
New Orleans City High School, 1892.

LANDAUER, SAMUEL CHARLES.....Classical.....Winnsboro, La.
Tulane High School, 1892.

LAPRADE, WILLIAM HENRY, JR.....Classical.....297 Jackson.
Tulane High School, 1892.

LEVY, SIGISMUND.....Engineering.....509 Magazine.
Tulane High School, 1892.

LOEBER, FREDERICK RICHARD.....Scientific.....Coliseum.
Bellevue High School, Va., 1891.

LOGAN, SAMUEL.....Literary.....241 Prytania.
T. W. Dyer's School, 1891.

LUCE, GEORGE DON, JR.....Scientific.....464 Prytania.
Tulane High School, 1892.

MAUBERRET, LEON EUGENE.....Scientific.....319 Bienville.
New Orleans City High School, 1892.

MINOR, JOHN DUNCAN.....Engineering.....Houma, La.
Tulane High School, 1892.

PAYNE, HORTON KENNEDY.....Engineering.....Pass Christian, Miss.
Tulane High School, 1892.

PHELPS, ALBERT CARUTHERS.....Classical.....Prytania and Dufossat.
Tulane High School, 1892.

RODD, JOHN EDWIN, JR.....Engineering.....185 Chestnut.
New Orleans City High School, 1892.

SCHWARTZ, LOUIS OURY.....Engineering.....158 Milan.
Tulane High School, 1892.

SCUDDER, COLGATE.....Literary.....254 First.
T. W. Dyer's School, 1892.

VATTER, HENRY HERMAN.....Literary.....212 Third.
Tulane High School, 1892.

WHITTINGTON, WM. WHITE, JR.....Literary.....Alexandria, La.
Tulane High School, 1892.

FRESHMAN CLASS.

BALLOWE, HEWITT LEONARD.....Classical.....Diamond, La.
Tulane High School, 1893.

BARNETT, HENRY WADE.....Engineering.....328 St. Charles.
A. B., College of Immaculate Conception, 1893.

BAUER, NICHOLAS.....Scientific.....77 Chartres.
New Orleans City High School, 1893.

BEER, SCOTT EUGENE.....Literary.....379 Carondelet.
Tulane High School, 1893.

BOOTE, WILLIAM RUSSELL.....Engineering.....Hohen Solms, La.
New Orleans City High School, 1892.

BRUGIERE, FREDERICK.....Engineering.....159 Philip.
Soulé Commercial College, 1893.

BUTLER, JULES BLANC.....Scientific.....398 Carondelet.
T. W. Dyer's School, 1893.

CATE, SAMUEL MELZAR.....Literary.....Hammond, La.
Tulane High School, 1892.

CIER, IRENEE.....Classical.....159 Baronne.
Tulane High School, 1893.

COLEMAN, WILLIS PRAGUE.....Scientific.....1169 St. Charles.
Tulane High School, 1893.

DUPUY, THOMAS MILLE.....Engineering.....New Iberia, La.
New Iberia High School, 1893.

ELLIOTT, ROBERT HUGER.....Classical.....First and Prytania.
Tulane High School, 1893.

ESHLEMAN, SIDNEY ST. JOHN.....Engineering.....210 Third.
New Orleans City High School, 1893.

FEIST, SAMUEL.....Classical.....Milliken's Bend, La.
Tulane High School, 1893.

FINLEY, RIDGELEY.....Literary.....173 Fourth.
T. W. Dyer's School, 1893.

FOSTER, JAMES CLAIBORNE.....Literary.....Shreveport, La.
Thatcher Institute, 1893.

GENELLA, LOUIS JULIEN.....Engineering.....762 Prytania.
New Orleans City High School, 1893.

GILMORE, ABNER BLANKS.....Engineering.....431 Prytania.
New Orleans City High School, 1893.

HAYWARD, WILLIAM HENRY.....Literary.....204 Annunciation.
New Orleans City High School, 1893.

HERO, JAMES EDWARD.....Scientific.....Third and Camp.
Tulane High School, 1893.

HESTER, CHARLES EARL.....Literary.....Rosa Park, N. O.
New Orleans City High School, 1893.

HOPMAN, HENRY HAZLITT.....Literary.....242 Prytania.
T. W. Dyer's School, 1893.

JAHNCKE, ERNEST BENJAMIN.....Engineering.....208 Howard Avenue.
New Orleans City High School, 1893.

LABOUISSE, PETER RATHBONE.....Engineering.....173 Esplanade.
T. W. Dyer's School, 1893.

LANDFRIED, HENRY LEWIS.....Classical.....11 North Galvez.
Tulane High School, 1893.

LEBRETON, LOUIS ETIENNE.....Classical.....Charenton, La.
Tulane High School, 1893.

LEMANN, WALTER.....Literary.....1599 St. Charles.
Tulane High School, 1893.

LEVERICH, HENRY, JR.....Engineering.....132 Annunciation.
New Orleans City High School, 1893.

LOEBER, HERMAN FELIX.....Engineering.....Coliseum Street.
New Orleans City High School, 1893.

MATTHEWS, MARTIN LEVERING.....Literary.....443 Prytania.
Tulane High School, 1893.

MELANCON, ARAMIS.....Engineering.....Donaldsonville, La.
St. Joseph Commercial Institute, Donaldsonville, La., 1893.

MONROE, FRANK ADAIR, JR.....Literary.....197 Thalia.
Tulane High School, 1893.

MURPHY, JAMES BEASLEY.....Literary.....817 Carondelet.
T. W. Dyer's School, 1893.

NELKEN, ABRAHAM.....Literary.....145 Decatur.
New Orleans City High School, 1893.

NIXON, JAMES OSCAR.....Literary.....656 St. Charles.
Tulane High School, 1893.

PERKINS, JOHN BEASLEY.....Literary.....Carrollton, La.
Tulane High School, 1893.

POITEVENT, SCHUYLER.....Literary.....Ocean Springs, Miss.
Tulane High School, 1893.

PORTER, HOLLIS PAYNE.....Engineering.....Perry, La.
Lawrence High School, Kansas, 1893.

RICHARDSON, JOHN FRANCIS.....Scientific.....279 Foucher.
Tulane High School, 1893.

ROBELOT, AMADEE WILLIAM.....Engineering.....137 Coliseum.
New Orleans City High School, 1893.

ROBERTS, ABISHAI WILLIAM.....Literary.....145½ Race.
New Orleans City High School, 1893.

ROMEYN, CHARLES ANNESLEY.....Engineering.....Jackson Barracks.
De Pauw University, Indiana, 1893.

ST. MARTIN, JOSEPH PRESTON.....Scientific.....157 Broadway.
Tulane High School, 1893.

SULLIVAN, JOHN PATRICK.....Engineering.....196 Julia.
B. S., College of Immaculate Conception, 1892.

WALTHALL, BENJAMIN CONRAD.....Literary.....857 St. Charles.
Tulane High School, 1893.

WERLEIN, PHILIP, JR.....Classical.....1528 St. Charles.
Tulane High School, 1893.

WOOD, ZACHARY TAYLOR.....Classical.....319 Second.
Tulane High School, 1893.

WORNER, GEORGE AUGUST.....Scientific.....358 Dumaine.
New Orleans City High School, 1893.

SPECIALS.

BLADES, HARRY H.: Civil Engineering. Detroit, Mich.

CASTANEDO, WALTER: University of Notre Dame, Ind.; Mathematics, Physics, Physical Laboratory, Applied Electricity, Analytical Mechanics. 695 Magazine.

REYNES, JOSEPH: A. B., College of Immaculate Conception, 1891; French, German, Forensics, Chemistry, Chemical Laboratory, Physical Laboratory. 290 Tremé.

ROURKE, JOHN C.: Applied Electricity. 505½ Constance.

WADSWORTH, STEWART: Tulane High School, 1891; Mathematics, Physical Laboratory, Chemistry, Chemical Laboratory, Analytical Mechanics. 440 Prytania.

WESTERFIELD, GEORGE SUMNER: New Orleans City High School, 1891; English, Mathematics, Physics, Physical Laboratory, German, Drawing, Analytical Mechanics, Materials. 61 St. Ferdinand.

RECAPITULATION.

By Class.

University Students	21
Senior Class	21
Junior Class	19
Sophomore Class	42
Freshman Class	48
Special	6
Total	157

By Course.

Classical	23
Literary	33
Scientific	17
Engineering	57
University	21
Special	6
Total	157

HIGH SCHOOL.

Sub-Freshman Class.

Bettison, Edmund Goldman	L. & S.	191 Robin.
Boatner, Oren Mayo	L. & S.	Monroe, La.
Burthe, Charles Andre	L. & S.	347 Burgundy.
Chaffe, Henry Hansell	L. & S.	978 St. Charles.
Cromwell, Clarence Clemm	L. & S.	Henry Clay.
DeBuys, James Temple	L. & S.	467 Esplanade.
Delery, Eugene Frank	L. & S.	Laharpe and Johnson.
Ellis, Sydney Joseph	L. & S.	264 N. Rampart.
Feingold, Meyer Wolf	Classical	460 S. Rampart.
Flanagan, John Joseph	L. & S.	713 Camp.
Hyman, Silas Isidore	Classical	753 St. Charles.
Kohlmann, Hugo	L. & S.	328 Canal.
Lehman, Joseph	L. & S.	894 St. Charles.
Leverich, William Richardson	L. & S.	132 Annunciation.
McChesney, Wallace Hardin, Jr.	L. & S.	140 Third.
Marks, Isaac Gustave	L. & S.	Opelousas, La.
Parker, James Porter	L. & S.	191 Constantinople.
Perret, Ursin Sylvain	L. & S.	Franklin, La.
Perrilliat, Charles	Classical	63 Esplanade.
Pettit, William Foster	L. & S.	326 Jackson.
Pitkin, Joe Lovell	Classical	108 1-2 Euterpe.
Randolph, Lemuel Conner	L. & S.	Bayou Goula, La.
Reynolds, Hampton	L. & S.	123 Delachaise.
Stern, Percival	L. & S.	Amite City, La.
Terriberry, George Hitchings	Classical	Cestahowa, Texas.
Thibaut, Frank	L. & S.	60 Esplanade.
Westerfield, William Weeks	Classical	61 St. Ferdinand.

INTERMEDIATE CLASS.

ALEXIUS, ALFRED PIERSON	L. & S.	Covington, La.
ARNAULD, ROGER LOUIS	Classical	299 Esplanade.
BARTLEY, GEORGE F.	Classical	73 Constance.
BARTLEY, JOHN C	Classical	73 Constance.
BARTLEY, ROBERT HAROLD, JR	Classical	73 Constance.
BEASLY, WILLIAM HARCOURT	L. & S.	Napoleonville, La.
BOATNER, JOHN STERLING, JR	L. & S.	Vidalia, La.
BURDEAU, JOSEPH AIKEN	Classical	296 St. Charles.
CAILLOUET, JEAN LOUIS	L. & S.	Houma, La.
COUVILLON, TUCKER HORACE	L. & S.	Marksville, La.
DANCY, CHARLES ALLEN	Classical	Omega, La.
DANJEAN, LOUIS JOSEPH	Classical	Killona, La.
DEBUYS, LAURENCE RICHARD	L. & S.	467 Esplanade.
DEBUYS, WALTER LAWRENCE	L. & S.	467 Esplanade.
DEPASS, ROBERT BROOKINGS	Classical	34 Desire.
DIRMEYER, HOWELL WOODS	L. & S.	250 Thalia.
DUGAZON, GEORGE THOULUYRE	L. & S.	124 Elysian Fields.
DYER, THOMAS DURNO	Classical	Napoleonville, La.
FERRIER, GEORGE, JR.	L. & S.	293 Burgundy.
FLANIGAN, FRANK JOSEPH, JR	L. & S.	156 Clara.
GIDIERE, PHILIP STEVENS	L. & S.	27 Conery.
GILMORE, PHILIP MORGAN	Classical	713 St. Charles.
GOULD, WARREN CHAMPLIN	L. & S.	34 Conery.
GRANT, WILLIAM BULLITT	L. & S.	994 St. Charles.
HARRAL, BROOKS	Classical	206 Second.
HILDEBRAND, WILLIAM HENRY	L. & S.	Algiers, La.
HINGLE, STANLEY HUBERT	L. & S.	Pointe a la Hache, La.
HIRN, JOSEPH WALTER	L. & S.	442 Royal.
HYMAN, EDWARD	L. & S.	190 Constantinople.
HYNSON, GEORGE GILBERT	L. & S.	66 Brainard.
JANIN, MORGAN HALL	L. & S.	760 Carondelet.
JOHNSON, THOMAS SLOO	L. & S.	321 Second.
KER, LUCIEN JOSEPH	L. & S.	Denechaud's Hotel.
KNICKERBOCKER, CLARENCE B	L. & S.	438 1-2 Carondelet.
KOELLE, JOHN MARCUS	L. & S.	5 New St. Bernard.
KOHLMAN, FRANCIS LORY	L. & S.	407 Carondelet.
LEWIS, SIDNEY FRANCIS, JR	Classical	364 St. Claude.
LINES, EZRA AUSTIN.	L. & S.	436 North Rampart.
LUDLOW, HARRY ALFRED	L. & S.	401 Josephine.
MACDONALD, AUGUST MARTIN.	L. & S.	266 Bayou Road.
MAES, DOMINIQUE URBAN	Classical	Edgard, La.
MARRERO, LOUIS HERMAN, JR	L. & S.	Amesville, La.
MAY, WALTER HARRY	L. & S.	22 South Rampart.
MEYERS, JAMES RODD	L. & S.	475 Josephine.
MOISE, ALLYN BERNARD	L. & S.	408 Baronne.
MONROE, JULES BLANC	Classical	197 Thalia.
MONROSE, ROGER	L. & S.	183 Esplanade.
OGDEN, DUNBAR HUNT	Classical	L'Argent, La.
OGDEN, PERCY THOMPSON	L. & S.	Opelousas, La.
PERKINS, RUFFIN TROUSDALE	Classical	Carrollton, La.
PURVES, GEORGE LEBLANC	L. & S.	125 1-2 Berlin.
ROBERTS, GEORGE NORTON.	L. & S.	Peters Avenue and Pitt.
SIMON, SIDNEY KOHN	L. & S.	214 Philip.
SKIPWITH, JOHN GREEN	Classical	Monroe, La.
SLICER, JOSEPH EDWIN	Classical	St. Joseph, La.
SMITH, ARCHIBALD MAGILL	L. & S.	Franklin, La.
STEVENSON, AUSTIN WARDEN	L. & S.	61 Jackson.
THOMPSON, WILLIAM BESS	L. & S.	438 Prytania.
TREPAGNIER, DALTON HARRIS	Classical	689 Baronne.

VOLCKMAN, FRANK WILLIAM	L. & S.	741 Magazine.
WERTH, AUGUST HERMAN	Classical	203 Annunciation.
WERTH, STEPHEN STAFFORD	Classical	203 Annunciation.
WOOD, ALBERT BALDWIN	L. & S.	317 Second.

HIGH SCHOOL ROLL.

Sub-Freshman Class	27
Intermediate Class	63
Total	90

DEGREES, 1893.

DEGREES CONFERRED AT COMMENCEMENT, THURSDAY, JUNE 15, 1893.

Bachelor of Arts.

SAMUEL HARRIS BACKUS.
BENJAMIN PALMER CALDWELL.
ABRAHAM GOLDBERG.
IVY GREEN KITTREDGE.
GRANTLAND LEE TEBAULT.
EDGAR HENRY BLOCH.
JOSEPH OSCAR DASPIT.
ROBERT TIMMONS HARDIE.
EDWARD PIERSON.
PETER ARTHUR THIBAUT.

Bachelor of Science.

JOHN CHRISTIE BARR.
MARCEL VALENTIN HAULARD.

Mechanical Engineer.

WILLIAM VON PHUL.

Doctor of Philosophy.

KENNETH SYLVAN GUTHRIE.

Certificate for Special Limited Course in Electrical Engineering.

PAUL CONRAD, JR., A. B.

TITLED GRADUATES, 1883–1893.

ANDERSON, DOUGLAS SMITH: A. B., Washington and Lee, 1890; A. M., Tulane, 1892. Instructor in Physics, 1892-93; Assistant Professor of Physics, 1894.

BACKUS, SAMUEL HARRIS: A. B., 1893. University Student, 1894.

BARR, JOHN CHRISTIE: B. S., 1893. University Student, 1894.

BLOCH, EDGAR HENRY: A. B., 1893. Law Student, Tulane, 1894.

BORDE, GEORGE URQUHART: A. B., 1888; Instructor in Natural Science, 1889-90; A. M., 1890. Electrician, Memphis, Tenn.

BORDE, ROBERT GEORGE URQUHART: A. B., 1884; A. M., 1885; M. D., Tulane, 1889. Practising Physician, 1889-93, New Orleans. Died Dec. 17, 1893.

BRADY, CULLEN MILO: A. B., 1889. M. D., Tulane, 1893. Practising Physician, New Orleans.

BUTLER, PIERCE: A. B., 1892. University Student, 1893-94.

CALDWELL, BENJAMIN PALMER: A. B., 1893. University Student, 1894.

CALDWELL, JOHN WILLIAMSON, JR.: A. B., 1892. University Student, 1893. Student Union Theological Seminary, Va., 1894.

CARTER, THOMAS: A. B., 1889. Student Biblical Department, Vanderbilt University.

CHURCHILL, CHARLES ROBERT: B. S., 1889. Sugar Chemist, American Sugar Refining Company, 1890-91. With Louisiana Electric Light and Power Company, 1893.

CONRAD, PAUL JOSEPH GERMAIN: A. B., 1891. University Student, 1891-94.

DASPIT, JOSEPH OSCAR: A. B., 1893. Law Student, Tulane, 1894.

DAVIS, LEE: B. S., 1891. Student Cornell University, 1893. Electrician, Houston, Tex.

DELAUP, SIDNEY PHILIP: B. S., 1883. Assistant Professor French and Mathematics, Tulane, 1887-91; M. D., Tulane, 1890. Practising Physician, New Orleans. Resident Physician, New Orleans Sanitarium.

DELBERT, ALPHONSE FRANCOIS: B. S., 1885; Instructor in Machine Construction and Drawing, 1887-91. Secretary of the Delbert Engineering Company.

DREYFUS, THEODORE WASHINGTON: A. B., 1889. On the Journal of Finance, New York City.

DUPRE, HENRY GARLAND, JR.: A. B., 1892; B. L., Tulane, 1894. Attorney at Law, New Orleans.

DYMOND, JOHN, JR.: A. B., 1888; B. L., Tulane, 1890. Attorney at Law, New Orleans.

FENNER, ERASMUS DARWIN: A. B., 1888; M. D., Tulane, 1892. Practising Physician, New Orleans.

FOX, JOHN ANGELL: A. B., 1892. Assistant to State Engineers.

GENELLA, ALPHONSE JOHN KENNEDY: A. B., 1892. Medical Student, Tulane, 1993-94.

GESSNER, HERMANN BERTRAM: A. B., 1889; A. M., 1891. Resident Student Charity Hospital, 1893-94.

GILL, CHARLES GRANDISON: B. Lit., 1884; A. M., 1885; Ph. D., 1887; Librarian, Tulane, 1885-94; Secretary Tulane College Faculty; Assistant Professor of Greek, Tulane, 1887-94.

GILL, HENRY MILLER: A. B., 1890; B. L., Tulane, 1894. Professor New Orleans High School, 1891-94. Attorney at Law, New Orleans.

GOLDBERG, ABRAHAM: A. B., 1893. Law Student, Tulane, 1894.

GROENEVELT, JOHN FREDERICK FREEBORN: A. B., 1884; A. M., 1885; M. D., Tulane, 1889. Assistant Surgeon U. S. Marine Hospital Service, 1889-91. Died June 29, 1891.

GUTHRIE, KENNETH SYLVAN: A. M., University of the South, Sewanee, 1891; Ph. D., Tulane, 1893. Student Graduate School of Harvard University.

HARDIE, ROBERT TIMMONS: A. B., 1893. Employed at Williams-Richardson Co., 1894.

HAULARD, MARCEL VALENTIN: B. S., 1893. University Student, 1894.

HERO, WILLIAM SOMER: B. S., 1889. Louisiana Sugar Refinery, 1890. Clerk U. S. Sub-treasury, New Orleans, 1891-93. B. L., Tulane, 1893. Attorney at Law, New Orleans.

HOLLAND, ROBERT AFTON, JR.: A. B., 1886; A. B., Harvard, 1888. Clergyman, St. Louis.

HUGUET, CHARLES KELLS: B. S., 1892. University Student, 1893-94.

HYNES, EDWARD: B. S., 1892. University Student, 1893-94.

JURGIELEWICZ, EDWARD ADOLPH: A. B., 1889; M. Ph., Tulane, 1893. Clerk with I. L. Lyons & Co., New Orleans.

KITTREDGE, IVY GREEN: A. B., 1893. Law Student, Tulane, 1894.

LEWIS, HAMPDEN SYDNEY: A. B., 1887; M. D., Tulane, 1892. Practising Physician, New Orleans.

LOMBARD, GERVAIS: B. S., 1891. Civil Engineer, New Orleans.

LOMBARD, JOHN EDWARD: B. S., 1892. University Student, 1893-94.

MAAS, CHARLES OSCAR: A. B., 1888; Instructor in Physics, Tulane High School, 1889-90; B. L., New York Law School, 1892. Attorney at Law, New York.

MCLEOD, WILLIAM CHARLES: A. B., 1887; B. L., Tulane, 1889. Attorney at Law, New Orleans.

MALOCHEE, HENRY JOSEPH: B. S., 1889; Instructor in Drawing, Tulane, 1887-89. Superintendent of Construction, Southern Electrical Manufacturing and Supply Co., 1893. Consulting Engineer, New Orleans.

NEWMAN, HAROLD WEIL: A. B., 1892; B. S., Tulane, 1894. Attorney at Law, New Orleans.

PARHAM, EUGENE CHILTON: B. S., 1890; University Student, 1891. In Edison Works, Schenectady, N. Y., 1892-93. Electrician, Cleveland, Ohio.

PATTON, MERCER WILLIAM: A. B., 1889; B. L., Tulane, 1891. Attorney at Law, New Orleans.

PEARCE, JOHN WILLIAM: A. B., Louisiana State University, 1884; A. M., Louisiana State University, 1885; Ph. D., Tulane, 1891; Professor of English and Mathematics, Tulane High School.

PEETE, RICHARD, JR.: A. B., 1890; B. L., Tulane, 1892. Attorney at Law, New Orleans.

PERRILLIAT, ARSENE: B. S., 1883; Assistant Professor, Tulane, 1888-89. Board State Engineers, 1890-94.

PIERSON, EDWARD: A. B., 1893. Law Student, Tulane, 1894.

POPE, BOLLING ANTHONY, JR.: B. S., 1885; M. D., College Physicians and Surgeons, New York, 1890. Resident Physician, Mt. Sinai Hospital, New York, 1891. Oculist and Aurist, New Orleans.

RAINOLD, FRANK EDWARD EMILE: A. B., 1886; B. L., Tulane, 1889. Attorney at Law, New Orleans.

RAPP, JAMES HUGHES: A. B., 1892; Teacher with L. C. Ferrell, 1893-94. University Student 1893-94.

RAYMOND, ALFRED: B. S., 1885. Electrician in Charge of Edison Illuminating Co., New Orleans.

REED, WARREN BETTISON: B. S., 1891. Electrician Meter Department, Edison Illuminating Co., New Orleans.

RICHARDSON, THOMAS FARRAR: B. S., 1892. Assistant to State Engineers, 1892-93. Medical Student, Tulane.

RICKEY, HARRY WIGGINTON: B. S., 1892. University Student, 1893. Clergyman.

ROMAIN, ARMAND GEORGE: B. S., 1890; B. L., Tulane, 1892. Attorney at Law, New Orleans.

ROSEN, CHARLES: A. B., 1892; B. L., Tulane, 1894. Attorney at Law, New Orleans.

SCHERCK, LEWIS ALCUS: A. B., 1888. Assistant Purchaser American Sugar Refining Company.

SPENCER, WALKER BRAINERD: A. B., 1888; B. L., Tulane, 1891. Attorney at Law, New Orleans.

STAFFORD, CHARLES BURKE: B. Lit., 1883; Librarian, 1885-86; B. L., Tulane, 1886. Attorney at Law, Chicago.

TEBAULT, CHRISTOPHER HAMILTON, JR.: B. S., 1890; Resident Student, Touro Infirmary, New Orleans, 1892-93. Resident Student, Charity Hospital, New Orleans.

TEBAULT, GRANTLAND LEE: A. B., 1893; Law Student, Tulane, 1894.

THIBAUT, PETER ARTHUR: A. B., 1893; Law Student, Tulane, 1894.

TOBIN, JOHN FRANCIS: A. B., 1891. University Student, 1892; B. L., Tulane, 1894. Attorney at Law, New Orleans.

TURNER, WM. BALL: A. B., 1891. Principal of the Pineville School, Pineville, La., 1892.

VAUGHAN, THOMAS WAYLAND: B. S., 1889; A. B., Harvard, 1893. Instructor in Physics and Chemistry, Mount Lebanon, La., 1889-92. Student Graduate School, Harvard University, 1892-94.

VERGEZ, JOHN FREDERICK: A. B., 1892. Medical Student, Tulane, 1893-94.

VON PHUL, WM.: B. S., 1891. M. E., Tulane, 1893. Instructor in Physics, Tulane, 1892-93. Electrician in charge of Meter Department Louisiana Electric Light and Power Company, New Orleans.

WALLS, WM. EDWARD: A. B., 1892. University Student, 1893-94.

WHEELER, ARTHUR SEAVER: B. S., 1883; A. B., 1883; A. M., 1885; Assistant Professor of Biology, Tulane High School, 1887-88. V. M. D., University of Pennsylvania, 1891. Veterinary Surgeon, New Orleans.

ALUMNI ASSOCIATION.

The Alumni Association of Tulane College was organized in June, 1889. The officers at present are: Prof. J. W. Pearce, President; Dr. S. P. Delaup, Vice President; Prof. Chas. G. Gill, Secretary and Treasurer; Prof H. M. Gill, Historian.

H. SOPHIE NEWCOMB MEMORIAL COLLEGE.

FACULTY 1893-94.

WILLIAM PRESTON JOHNSTON, LL. D., President of University.

BRANDT V. B. DIXON, A. M., LL. D., President of College and Professor of Philosophy.

JOHN M. ORDWAY, A. M., Professor of Biology.

ULRIC BETTISON, Professor of Mathematics.

JENNIE C. NIXON, Professor of English and Rhetoric.

EVELYN W. ORDWAY, B. S., Professor of Chemistry and Physics.

MARIE J. AUGUSTIN, Professor of French.

MARY L. HARKNESS, A. M., Professor of Latin.

ELLSWORTH WOODWARD, Professor of Drawing and Painting, and Director of Art Instruction.

GERTRUDE R. SMITH, Associate Professor of Drawing and Painting.

FREDERICK WESPY, PH. D., Professor of Greek and German.

MARY C. SPENCER, M. S., Instructor of Physics and Mathematics.

CLARA G. BAER, Director of Physical Education.

EMMA S. ROSSNER, Principal of Preparatory Classes.

JULIA C. LOGAN, Instructor of English.

MATTIE M. AUSTIN, Instructor of English.

KATE A. ATKINSON, Instructor of Latin.

FELICITE FAURES, Instructor of French.

FRANK H. SIMMS, Director of Music.

LEONORA M. CAGE, Secretary.

EMMA P. RANDOLPH, Librarian.

COLLEGE CHAPEL.

The H. Sophie Newcomb Memorial College is devoted to the higher education of young women. It was founded in 1886, by Mrs. Josephine Louise Newcomb, as a memorial to her daughter. In pursuance of the design of its founder, it has adopted a system of instruction which is believed to be liberal and thorough.

The location in the city of New Orleans is an advantageous one on account of its accessibility from all parts of the South, the educational facilities to be enjoyed in its libraries and museums, and the mildness of its climate throughout the college year. Erroneous impressions concerning the healthfulness of this city are gradually being corrected, and each succeeding season brings from the North and East a larger number of winter residents. A comparison of medical records discloses the fact that the health of New Orleans is not surpassed by any other large city in the United States; it has had only two epidemics of yellow fever in the past thirty years, both occurring in the vacation months; and the experience of the past sixteen years has demonstrated that this disease can be effectually excluded.

The climate of New Orleans offers peculiar inducements to those who find it difficult to endure the severe and changeable weather of the Northern States. By reason of its position, which is practically insular, the city is protected alike from the extremes of cold and heat that occur throughout the greater part of the Mississippi and Ohio valleys; a freezing temperature is seldom reached in winter, and the

heats of summer are tempered by the constant gulf breezes; life in the open air is pleasant throughout the college year, and the students enjoy an immunity from colds and many pulmonary and nervous ailments which are caused or aggravated by the severity of northern winters.

LOCATION.

The college buildings occupy a large square, several acres in extent, on Washington avenue, Camp, Chestnut, and Sixth streets, in the best residence section of the city. The beauty of its situation and surroundings is unsurpassed. Its extensive grounds, shaded by numerous live oaks, palms, and other trees and shrubbery, afford ample opportunity for open air recreation.

Through the continued liberality of its founder the college has been enabled to add new buildings and equipment as they have been needed. It possesses chemical, physical and biological laboratories well supplied with the necessary apparatus; a library and gymnasium, besides ample lecture halls and class rooms. A boarding department for students will be opened October 1, 1894. An art building provided with every facility for the study and practice of industrial and fine arts is to be immediately built; also a chapel capable of accommodating five hundred persons.

SCHOLARSHIPS.

Mrs. Ida A. Richardson, of New Orleans, having generously donated the sum of $1500 for the endowment of a scholarship to be known as the Cora A. Slocomb Scholarship in the College, to be filled by a graduate of the New Orleans Public High Schools, the Board of Administrators adopted the following regulations upon the subject:

1. The Cora A. Slocomb Scholarship in the H. Sophie Newcomb Memorial College is offered as an award to a graduate from one of the New Orleans Public High Schools on the following conditions:

2. The scholarship will be awarded to the applicant who shall make the highest record in a competitive examination to be held at the college on the date fixed by its catalogue for the beginning of its session.

3. Only those will be considered eligible who are qualified for admission to one of the regular college courses, who have been mem-

bers of the class last graduated from one of the High Schools, and who are recommended by its principal.

4. The examination shall be in writing, and shall be conducted by the faculty of the H. Sophie Newcomb Memorial College, or by those whom it may appoint for the purpose.

The first appointment to this scholarship was made at the opening of the session of 1891-92, and was awarded to Miss Isoline Rodd, graduate of the McDonogh High School No. 2, Class of 1891.

In 1892, Mr. B. C. Wetmore, of New York City, donated $1500 to found a scholarship, subject to the same conditions as apply to the Cora A. Slocomb scholarship. This is known as the B. C. Wetmore Scholarship.

The B. C. Wetmore Scholarship was awarded in October, 1892, to Miss Alice B. Sandige, of the McDonogh High School No. 2.

The scholarship offered by the Administrators under the same conditions was awarded in October, 1893, to Miss Ethel P. Fowler, of the McDonogh High School No. 2.

ADMISSION OF STUDENTS.

For admission to the Freshman Class a satisfactory preparation in the following subjects is required of all applicants:

General Arithmetic, including a knowledge of the metric system.

Algebra, through quadratic equations.

Plane Geometry, four books of Wentworth or Chauvenet, or their equivalent.

English Grammar and Analysis.

Elements of Rhetoric, as given in Hart's Composition and Rhetoric, or D. P. Hill's Rhetoric, or equivalent. It is also very desirable and strongly recommended that all applicants should possess some familiarity with the elements of English and American literature, and should have carefully read or studied a few of the best works of standard authors.

Geography, political and physical.

United States History.

General History, as given in Myers' General History, or its equivalent.

Elements of Physiology.

The following additional requirements are made, according to the course of study chosen by the applicant:

Modern Language Course.

French, a full two years' course.

The applicant should be able to translate at sight easy English prose into French, and should possess such familiarity with the French grammar and vocabulary as to be able to follow without difficulty all the class instruction and examinations, which are to be conducted entirely in French.

Instead of French a like preparation in German will be accepted.

After the year closing June, 1894, for admission in full standing to this course, German will be required in addition to French, and the amount so required will be increased from year to year, until a full two years' preparation is reached.

Scientific Course.

Latin Grammar and Reader.

Cæsar, De Bello Gallico, four books.

Vergil, two books.

The Roman method of pronunciation is used.

French or German, as in the Modern Language Course.

Classical Course.

Latin, as in the Scientific Course.

Greek, Frost's Greek Primer, or its equivalent, and one Book of Xenophon's Anabasis.

Continental method of pronunciation is used.

It is recommended that the applicant be prepared in French or German, as in the Scientific Course.

Owing to the fact that less than the usual amount of Latin and Greek is required for admission, effort is made to secure, in the college course, the fullest possible results in these languages. It is expected that the requirements for admission to the Classical and Scientific Courses will be increased as rapidly as prevailing conditions will permit.

ADMISSION BY CERTIFICATE.

Certificates of the qualification of applicants will be accepted instead of examinations when given by principals of established schools. Such certificates should specify the amount of work done in each study, the time allotted to it, and the text book used.

Blank forms will be furnished to those desiring them.

H. SOPHIE NEWCOMB MEMORIAL COLLEGE FOR WOMEN,
NEW ORLEANS, LA.

(FORM OF CERTIFICATE.)

APPLICATION FOR ADMISSION TO H. SOPHIE NEWCOMB MEMORIAL COLLEGE.

.....189.

Miss..... has pursued the following studies in this school, and I recommend her as being well prepared in the work of which an account is here given.

	TEXT BOOK.	AMOUNT.	TIME.	REMARKS.
Arithmetic				
Algebra				
Geometry				
Grammar				
Rhetoric				
English Lit				
Geography				
History				
Science				
Latin				
Greek				
French				
German				

.....School

....., Principal.

PREPARATORY COURSE.

A regular preparatory course is a part of the present system. For admission to its classes the applicant should be well qualified in the following subjects:

Arithmetic, through percentage.
Outlines of United States History.
Geography.
English Grammar.

The course of study will include those subjects which are required for admission to college. The detailed statement is as follows:

Higher Arithmetic.

Wentworth's Algebra, through Quadratic Equations.

Wentworth's Geometry, six books.

Collar and Daniel's Latin Lessons.

Cæsar, De Bello Gallico, four books.

Vergil, Æneid, two books.

English Rhetoric and Literature.

General History.

Physical Geography.

Physiology.

French, Drawing, Physical Culture.

For admission to the Classical Course in College, Greek will be required. This will be taught one year in place of French. First Lessons, and Xenophon's Anabasis, one book.

For admission to the Modern Language Course in College, German will be required. This will be taught one year in place of Latin.

No student will be entitled to a certificate of admission to the College until all the studies of the prescribed course shall have been satisfactorily completed.

COLLEGE COURSES OF STUDY.

Students of the College may select any one of the three courses of study, the Classical, Scientific, or Modern Language, each of which presents a well rounded curriculum, and leads to the degree of Bachelor of Arts or Bachelor of Science.

Graduates from the College will be admitted to the University Courses of study in Tulane University, on the same conditions as the young men graduating from the College of Arts and Sciences, or the College of Technology.

The satisfactory completion of special or optional studies will be rewarded with a special certificate, setting forth the amount of work accomplished.

On examination of these courses of study, it will be noticed that prominence has been given to the study of art, which is required in certain classes, and made elective in others. No extra charge is made for this study, and it may be continued as far and in as many directions as the time and inclination of the student and the judgment of the Faculty may permit. These opportunities are offered in the conviction that the advantages to be derived are of the highest value in the cultivation of correct taste, at the same time that it offers desirable relaxation from the more exacting work of the class room.

No idea can be more mistaken than that art education has for its object the preparation of the student for the vocation of an artist. Its successful pursuit does not, therefore, depend upon special talent any more than in the case of mathematics or the languages; but, like them, is designed to develop and strengthen certain faculties. Simply stated, the study of art has a twofold purpose; on the one side it trains the eye and hand and develops the sense of mastery over material; on the other it cultivates an intelligent appreciation of the beautiful through the study and imitation of masterpieces of art, and in original design. Attention is here called to the Normal and Special Art Classes, which are believed to offer advantages of opportunity and instruction unequaled in the South and unsurpassed in the United States.

SPECIAL STUDENTS.

Although students are strongly urged to take one of the regular courses, it may nevertheless occur that, for various reasons, some will decide to pursue a partial course, or confine their work to a single branch. For such special students provision will be made, and each one who shall complete with credit the work prescribed in any study shall be entitled to a certificate of excellence. These special courses will be of value to those who intend to prepare themselves for teaching some particular branch, or those who, having completed their

school or college career, nevertheless are unwilling to abandon further intellectual pursuits, and desire to devote a part of their time to the prosecution of some favorite study. Advanced courses in Language, Chemical and Physical Laboratory, French and English Literature, History, and Psychology will be given to classes which may be formed.

Detailed Statement of Work Proposed in the Various Courses.

MATHEMATICS.

PROFESSOR BETTISON.

Freshman Year: Wentworth's Geometry completed, Higher Algebra.

Sophomore Year: Wentworth's Trigonometry, completed.

Junior Year: Analytical Geometry.

Senior Year: Differential and Integral Calculus and Astronomy.

ENGLISH.

PROFESSOR NIXON.

Freshman Year: Genung's Practical Rhetoric with Rhetorical Analysis. Lectures on American authors. Recitations of selections from American authors. Eight essays on miscellaneous subjects are required during the year.

Sophomore Year: English Literature; text book, Development of English Literature and Language, by A. H. Welsh. Analytical study of specimens, criticisms and abstracts. Twelve essays during the year.

Junior Year: Development of Literature continued, with principles of criticism and supplementary study of sixteenth and seventeenth century authors from originals. Ten essays during the year, one each on Epic, Lyric and Dramatic Poetry, History, Biography, Essay, modern Novel, and three studies in Literature.

Senior Year: Dramatic Studies from Shakespeare, Ben Jonson, Massinger, Milton's Comus and Lycidas, the Caroline Lyrists, Dramatists of the Eighteenth Century; with selections from Ruskin, Matthew Arnold, George Elliott; from Keats, Shelley, Tennyson, the two Brownings, William Morris, and the dramas of Swinburne.

Four Essays, Historical and Literary Monographs; Four Discussions upon Topics of the Times.

Anglo-Saxon Grammar and Reader with selections from Beowulf.

HISTORY.

Topical Study and Essays Throughout the Course.

Freshman Year: Eastern Nations and Greece.

Sophomore Year: History of Rome.

Junior Year: Mediæval and Modern History.

Senior Year: Modern History (continued).

BIOLOGY.

Professor J. M. Ordway.

The subject of Biology (zoölogy and botany) is taught by lectures, topical readings, and laboratory exercises. As far as possible the living organisms are made the direct object of study. The laboratory is furnished with microscopes and other needful appliances.

ZOOLOGY AND MINEROLOGY.

These subjects will be studied in the Scientific course throughout the Senior year. The studies will be conducted by text book, lectures and illustrations. The excellent collection of fossils and minerals contained in the university museum will be freely used.

PHYSICS AND CHEMISTRY.

Professor E. Ordway.

In Physics, class-room exercises, amply illustrated by experiments, are supplemented by laboratory work, to cultivate habits of accuracy by means of quantitative determinations.

In the chemical department much prominence is given to laboratory work. The well-equipped laboratory has accommodations for forty-eight students, a table being assigned to each that she may conduct experiments and record observations separately. By this means students gain an intimate acquaintance with the elementary substances and the synthesis of the more simple combinations, during the first year.

The first half of the second year is given to Qualitative Analysis, and the latter half to Quantitative Analysis, both gravimetric and volumetric methods being employed. The course includes, also, the study and practice of blow-pipe analysis, and a course of lectures on the History of Chemistry.

Attention is also given to the application of Chemistry in the household and the more important industrial operations. Facilities for laboratory work in Organic Chemistry are provided for such as desire to pursue the study a third year.

No extra charge is made for chemicals or use of apparatus. Students will be expected to pay for breakage, or to replace apparatus broken by them.

ART IN COLLEGE COURSES.

PROFESSOR E. WOODWARD AND PROFESSOR SMITH.

Freshman Year: Constructive and Geometrical Drawing; Free Hand Perspective; Elements of Design—Study of Plant Forms; Drawing from Casts and Models. Decorative Design; Mechanical Perspective.

Sophomore Year: Mechanical Perspective; Shadows and Reflections; Decorative Design; Cast Drawing; Sketching; Drawing from Life; History of Art.

(For optional study in art see NORMAL ART COURSE.)

FRENCH.

PROFESSOR AUGUSTIN.

Students in the Science and Modern Language Courses, on admission to the Freshman Class, are expected to read French readily and to understand the spoken language sufficiently well to profit by the class instruction, which will be given entirely in French.

Conversation classes throughout the course.

Freshman Year: Lectures Pratiques, par Just et Humbert; Super's French Reader; special study of French idioms; conversation, and memorizing of selected extracts from modern authors.

Sophomore Year: Larive et Fleury, Seconde Année de Grammaire; History de France, par Ducoudrauy; Reading, selections from best authors; dictations, conversation. Careful attention is paid to the study of syntax. Selections in poetry and prose are memorized for the purpose of familiarizing the student with the idioms and beauties of the language.

Junior Year: Larive et Fleury, Troisième Année de Grammaire; Histoire de France (cours complet); lectures des classiques; dictation and conversation. Short essays on historical and abstract subjects once a week.

Senior Year: Les Ecrivains Modernes de la France, par Bonnefon; Pëlissier, Principes de Rhétorique Française; reading, Alfred de Musset, Victor Hugo, Francois Coppées, etc., essays on literary subjects.

GERMAN.

Professor Wespy.

Freshman Year: Joynes-Meissner's Grammar; Bronson's Colloquial German; Andersen's "Bilderbuch ohne Bilder;" Leander's "Traeumereien;" Rosen's "Ein Knopf."

Sophomore Year: Joynes-Meissner's Grammar; Bronson's Colloquial German; Freytag's "Aus dem Leben Friedrich des Grossen;" Gutskow's "Zopf und Schwert;" Kohlrausch's "Deutsche Geschichte" (conducted in German).

Junior Year: Whitney's Compendious German Grammar (Scientific); Meissner's German Conversation; Schiller's "Geisterseher;" Goethe's "Hermann and Dorothea;" Kohlrausch's "Deutsche Geschichte" (conducted in German.)

Senior Year: Whitney's Compendious German Grammar; Schiller's "Wilhelm Tell;" Scheffel's "Ekkehard;" Goethe's "Torquato Tasso;" Klemm's Deutsche Literaturgeschichte (conducted in German).

LATIN.

PROFESSOR HARKNESS.

Freshman Year: Vergil, Æneid, 3d, 5th and 6th books; Cicero, four Orations; 1st and 2d against Cataline; 3d, the Manilian Law; 4th, the Poet Archias.

Sophomore Year: Livy, 21st book; Cicero De Amicitia.

Junior Year: Horace Odes; Ars Poetica; Satires and Epistles; Pliny; Selections from Letters; Tacitus' Germania and Agricola.

Senior Year: Juvenal; Plautus; Cicero, De Oratore, De Natura Deorum or De Divinatione; Selections from Terence and Lucretius.

Sight reading, and translations from English into Latin throughout the course.

GREEK.

PROFESSOR WESPY.

DICTIONARY—Liddell and Scott's. Allen-Hadley's Grammar is used as a reference book in all classes.

Freshman Year: Jones' Greek Prose Composition; Xenophon's Anabasis (Harper and Wallace's), Books II, VI and VII. Book II will be read with special reference to the syntax; Books VI and VII cursorily. Homer, Iliad (Keep's), Books III and IV.

Sophomore Year: Jones' Greek Prose Composition. Homer, Odyssey (Perrin's), Book II. Herodotus (Johnson's), Book I. Isocrates, Panegyricus (Felton's).

Junior Year: Boise's Sequel to Jones' Prose Composition. Demosthenes, Philippics (Tyler's). Plato, Gorgias (Lodge's).

Senior Year: Boise's Sequel to Jones' Prose Composition. Thucydides, Book V. (Fowler's). Euripides, Iphigenia among the Taurians (Flagg's).

COURSES OF STUDY.

FRESHMAN YEAR.

ALL COURSES.

Mathematics—Geometry Completed, Higher Algebra *4
English—Rhetoric, Exercises and Essays 3
History—Ancient Nations, topical study 2
Physics—Experiments and Laboratory Practice 3

MODERN LANGUAGE COURSE.

French—Grammar and Composition; Conversation 3
German—Grammar and Translation 3
†Electives—
Latin 4
Industrial Drawing 6

SCIENTIFIC COURSE.

Latin—Vergil, Æneid, 3d, 5th and 6th books; Cicero, 4 Orations 4
Drawing—Industrial Drawing and Design 6
Electives—
French 3
German 3

CLASSICAL COURSE.

Latin—Vergil, Æneid, 3d, 5th and 6th books; Cicero, 4 Orations 4
Greek—Xenophon, Anabasis, 3 books; Homer, Iliad, 2 books 4
Electives—
French 3
German 3

* Numerals indicate the number of recitation periods per week.
† One of the electives offered is required.

SOPHOMORE YEAR.

ALL COURSES.

MATHEMATICS—Trigonometry 4
LITERATURE—Study and criticism, 12 essays 3
CHEMISTRY—Theory, experiments, and laboratory practice 4
HISTORY—Rome, topical study 2

MODERN LANGUAGE COURSE.

FRENCH - Histoire de France, exercise, conversation 3
GERMAN—Selected Translations, conversation 3
ELECTIVES —
Latin 4
Design and Decoration 6

SCIENTIFIC COURSE.

LATIN—Livy, 21st book; Cicero, De Amicitia; Horace, Odes, etc 4
DRAWING—Design and Decoration 6
ELECTIVES—
French 3
German 3

CLASSICAL COURSE.

LATIN—Livy, 21st book; Cicero, De Amicitia; Horace, Odes, etc 4
GREEK—Homer, selections from Odyssey, Lysias, Herodotus 4
ELECTIVES—
French 3
German 3

JUNIOR YEAR.

ALL COURSES.

History—Mediæval and Modern, topical study 2
Astronomy—First half year 3
Geology—Second half year 3

MODERN LANGUAGE COURSE.

French—Manuel de la Literature Francaise, etc 3
German—History of German Language; German Mythology 3
English—Standard authors 3

Electives—

Latin 4
Mathematics 4
Art Studio Work 6
Physics and Chemistry 4
Biology 4

Two electives are required in this course.

SCIENTIFIC COURSE.

Mathematics—Analytical Geometry 4
Physics—First half year, Laboratory Practice 4
Chemistry—Second half year, Laboratory Practice 4
Biology 3

Electives—

Latin 4
French 3
German 3
Art Studio Work 6

CLASSICAL COURSE.

Latin—Pliny; Tacitus; Juvenal 4
Greek—Plato; Demosthenes 4
English—Standard authors 3

Electives—

French 3
German 3
Mathematics 4

SENIOR YEAR.

ALL COURSES.

HISTORY—Constitutional History 2
PSYCHOLOGY—Empirical and Rational 3
ENGLISH—Criticism and Essays 2

MODERN LANGUAGE COURSE.

FRENCH—Les Ecrivains Modernes de la France, etc 3
GERMAN—Selected Classical Plays, German Literature, etc. 3
ENGLISH—Saxon Grammar and Reader. Beowulf 3
ELECTIVES—
Latin 4
Mathematics 4
Art Studio Work 6
Physics and Chemistry 6

SCIENTIFIC COURSE.

MATHEMATICS—Differential and Integral Calculus 4
PHYSICS—First half year, Laboratory Work 6
CHEMISTRY—Second half year, Quantitative Analysis 6
ELECTIVES—
Latin 4
French 3
German 3
Art Studio Work 6

CLASSICAL COURSE.

LATIN—Cicero; Terence; Lucretius 4
GREEK—Thucydides; Euripides 4
ELECTIVES—
French 3
German 3
Mathematics 4
Physics and Chemistry 6
Art Studio Work 6

DEPARTMENT OF PHYSICAL EDUCATION,

System and Equipment.

The department of Physical Education forms part of the regular College course, no extra charge being made to students taking the full course. This department is in charge of a special instructor, a graduate of the Posse Normal School of Gymnastics, Boston, Mass. The Swedish system of training is used. Æsthetical gymnastics adapted from the Delsarte philosophy of expression, and voice-work are also included in the course.

The gymnasium in the new academy building recently erected has been built with careful attention to the needs of the system, and is equipped with such appliances as experience has proved useful in general training and in the treatment of particular physical defects.

Need of Physical Education.

There is a growing recognition in this as well as in foreign countries of the need of combining physical training with mental work. Only where these are properly united can the best educational results be secured. Many physical disorders can be prevented or even cured by wise hygienic training. To insure the continuance of good health it is essential that young women who, as students, lead sedentary lives, should have the regular healthful physical exercise which this department affords.

On this account physical training has been added to the work required of all students, except such as are excused by written request of parent or guardian. It is earnestly requested that no excuse be given except for urgent cause.

Special Classes.

Persons who are not otherwise connected with the college may be admitted to the gymnasium at charges in accordance with the nature of the course chosen.

Normal Course.

Prof. B. V. B. Dixon, Lecturer on Psychology.

Evelyn M. Ordway, Professor of Chemistry.

Clara G. Baer, Instuctor of Anatomy and Physiology; Instructor in Pedagogical Gymnastics.

The demand for teachers of physical education is steadily increasing. A normal course has, therefore, been arranged in which the effort has been made to secure thorough instruction in such branches as pertain to this special subject. The course, therefore, includes lectures in chemistry with laboratory practice, anatomy and physiology, the kinesiology of the Swedish system, Delsarte and lectures on the psychology of exercise, in addition to work in the Gymnasium and drill in pedagogical gymnastics.

TEXT BOOKS.

Introduction to Chemical Science, Williams; Quiz-Compends of Anatomy, Dr. Potter; Quiz-Compends of Physiology, Dr. Brubaker; Swedish Educational Gymnastics, Baron Nils Posse; Hand-book of Swedish Gymnastics, Baron Nils Posse; Society Gymnastics, etc., Stebbins.

TUITION PER TERM (ONE-THIRD COLLEGE YEAR).

Class exercises, three hours per week	$6 00
Class exercise five hours per week	8 00
Normal course	15 00

The course as at present arranged may be completed in one year.

A certificate is given all students who satisfactorily complete the course.

Art Building for H. Sophie Newcomb Memorial College, New Orleans, La.

SPECIAL AND NORMAL ART CLASSES.

ELLSWORTH WOODWARD

(Rhode Island School of Design—Pupil of Marr, Richards and Fehr, Munich),

Professor of Drawing and Painting, and Director of Art Instruction.

GERTRUDE R. SMITH

(Massachusetts Normal Art School),

Associate Professor of Drawing and Painting.

During the past year the upper floor of the Academy building has been used by the art classes. The desire to furnish the fullest possible advantages in theoretical and practical art education has led to the adoption of plans for a building specially devoted to the industrial and fine arts. The new art building will contain art galleries, studios for oil and water color classes, life classes, drawing, design, cast drawing, wood carving, clay moulding, casting in plaster, etc. Instruction will be given in the elements of sculpture, manufacture and ornamentation of pottery, etc. A kiln for burning pottery and terra-cotta will be erected. It is expected that this building will be completed and equipped by the opening of the session of 1894-95.

The unsatisfactory results of many of the systems for art training, in this and in other countries, is exciting general inquiry for better methods.

Art teachers and critical observers are becoming convinced that much of the failure is due to the separation of the so-called fine and useful arts, and the consequent adoption of different courses of training for the artist, the designer and the artisan. The effects of this are to narrow the education of each, to occasion misunderstandings concerning their several functions, and to effect their estrangement or antagonism.

A well rounded art education demands as careful preparation as is required for any other line of study. It is necessary therefore that as great care should be given to the first few years of art training as is required in the usual academic studies. Only after a thorough course of study and practice is the student qualified to elect and pursue a special branch.

In the hope of meeting the needs of those who desire to follow a graded course of art instruction, as well as those who intend to prepare themselves for teaching, the following is presented:

The first year's course is preparatory and may be omitted by those qualified to enter a higher grade.

A certificate of grade will be given at the close of each year to students whose work has been satisfactory.

A diploma will be given on the completion of the course.

NORMAL ART COURSES.

FIRST YEAR.

Study of form, with lime and clay.
Cast drawing.
Free-hand perspective.
Drawing from plants.
Elements of design.
Geometry.
Working drawings.
Elements of shading in charcoal.

SECOND YEAR.

Cast drawing, in light and shade, with charcoal.
Mechanical perspective.
Sketching from models and still life.
Drawing from plants.
Historic ornament.

Decorative design.
Orthographic projection.
Working drawings.

N. B.—As soon as fair proficiency in drawing is attained the student will be admitted to the life class.

THIRD YEAR.

Water-color painting.
Harmony and chemistry of color.
Color design.
Drawing from life.
Drawing from cast, in light and shade (provisional).
Projections of solids and shadows.
History of sculpture.

FOURTH YEAR.

Oil painting.
Drawing and painting from life.
Modeling in clay.
Casting in plaster of Paris.
Design for reliefs.
Pen drawing.
Etching (optional).
Wood carving (optional).
History of painting.

N. B.—Students intending to become teachers are afforded an opportunity of assisting in the lower grades of academic drawing, taking the entire charge of a class in alternation with the Professor.

STUDIO CLASSES.

Students may pursue any of the following special studies in Art without entering the regular course:

Free-hand Perspective or Model Drawing.—This study teaches the principles that underlie sketching from nature and from still life.

Class Tuesday and Thursday, 12:30 to 2 P. M.

Cast Drawing.—The cast model is used only to overcome the first difficulties of drawing and of light and shade. Admission to the life class is made as soon as the proportions of the head and figure are fairly understood.

Class Monday, Wednesday and Friday, 12:30 to 3:30.

Design.—This is the most important study in the useful arts; careful attention therefore is given to it. After the theory has been mastered efforts are directed to its practical application.

Class Monday and Friday, 2 to 3:30.

Clay Modeling.—Modeling is conducted by the use of cast examples, draperies and living models.

Casting with plaster of Paris is taught in this class.

Class Tuesday and Thursday, 12:30 to 2.

Wood Carving.—Application of carved designs to useful articles is made as soon as sufficient excellence is attained in the use of tools.

Class Tuesday and Thursday, 12:30 to 2.

Water Color Painting.—Every facility is given for still life and figure painting. The extensive grounds of the college afford excellent opportunity for study in the open air.

Class Tuesday, Wednesday and Thursday, 9 to 12.

Oil Painting.—Oil painting is conducted by the study of still life and the living model, head and draped figure.

Class Tuesday, Wednesday and Thursday, 9 to 12.

Only those pupils are admitted to the water color and oil painting classes who have given proof of ability to draw still life groups, or who are willing to carry on the course in model drawing at the same time.

Life Drawing.—Since drawing from life is the highest and most important study in art training, every effort is made to insure its efficiency. A costume model poses every day from 9 to 12, the instructor spending Monday and Friday mornings with the class.

Mechanical Drawing.—A wide field of work is opened to women in architectural draughting, perspectives, tracings, etc. A course of preparation for such work is here offered and includes the study of geometry, orthographic and isometric projections, perspective and working drawings.

ART TUITION.

The college year is divided into three terms.

The tuition in the Art Department is $15 per term.

Students entering for any special study are permitted to take any others that may seem desirable or necessary, without additional expense.

All dues are payable in advance.

The right to retain certain drawings from each student for the use of the college is reserved. No drawings may be taken away before the close of the year without permission.

LIBRARY.

The college library has been carefully selected and contains only standard works. Special opportunities will be offered to the students in the use of these books, and a certain amount of library work will be required in connection with their college studies.

TUITION.

The scholastic year is divided into three terms, for which the tuition is as follows:

	Preparatory.	College.
First term—October 1 to December 22	$30	$35
Second term—January 2 to March 26	25	35
Third term—March 26 to June 20	25	30

For special single studies other than Art and Physical Culture, per term, $12.

All dues are payable in advance.

MUSIC.

Special arrangements may be made for the study of vocal and instrumental music.

No extra charge is made for admission to the regular classes in chorus singing.

Piano for practice one hour a day, $5 per term.

SESSION.

The College will open on Monday, October 1, 1894, and regular work will be immediately begun. The date of final exercises and College Commencement is fixed for Wednesday, June 19, 1895. Parents and students are reminded of the necessity of beginning the session promptly and of completing it fully. Much difficulty is occasioned by the late arrival and early departure of students, and they are warned that without full attendance they will not be able to maintain their grade.

JOSEPHINE LOUISE COTTAGE.

BOARDING DEPARTMENT.

The demand for a boarding department has led to the erection of the "Josephine Louise Cottage," named in honor of the beloved founder of the College. The building is situated on Washington avenue, directly opposite the college grounds, and will be open for the reception of students in October, 1894. It will be provided with the most approved appliances for the care and comfort of its inmates. Steam heating and electric lighting will be used throughout, and, in the construction, every sanitary precaution has been taken.

The care of the students will be entrusted to a competent matron and resident teachers, who will maintain a correspondence with parents or guardians whenever necessary or desired.

The college year is divided into three terms, and the several charges for board will be as follows:

First term, October 1 to December 22	$60
Second term, January 2 to March 26	60
Third term, March 26 to June 20	55
This does not include tuition.	$175

Washing extra at reasonable rates.

Each student will furnish her own napkin, towels, mosquito bar, and bedding.

In consideration that rates have been placed at the lowest prices consistent with good board and accommodations, all charges must be paid promptly in advance. No arrangements can be made for a shorter period than one term.

For further particulars address

Miss L. M. Cage, *Secretary.*

CALENDAR—SESSION OF 1894-95.

Examination for Admission, Friday, September 28, and Saturday, September 29, 1894.

Session opens Monday, October 1, 1894.

Christmas holidays begin Saturday, December 22.

Winter term begins Wednesday, January 2, 1895.

Spring term begins Tuesday, March 26.

Commencement, Wednesday, June 19.

CATALOGUE OF STUDENTS.

SESSION OF 1893-94.

Graduates.

Powers, Maggie	Chemistry	116 Toledano.
Newcomb College.		
Spencer, Addie	Chemistry	247 Second.
Newcomb College.		

Senior Class.

Bringhurst, Kate	Scientific	Alexandria, La.
Rapides Parish High School.		
Buck, Ida M.	Mod. Language	118 Valence.
New Orleans High School, No. 2,		
Everett, Kate	Scientific	577 St. Claude.
New Orleans High School, No. 3.		
Genella, Asenath	Scientific	762 Prytania.
New Orleans High School, No. 2.		
Genella, Cornelia	Mod. Language	762 Prytania.
Southern Academic Institute.		
Knapp, Emily C.	Classical	208 Third.
Miss Prentiss' School.		
Leucht, Irma	Mod. Language	224 Carondelet.
Newcomb College.		
Morey, Leila	Mod. Language	280 St. Andrew.
Miss Prentiss' School.		
Rodd, Isoline	Mod. Language	185 Chestnut.
New Orleans High School, No. 2.		
West, Ethelyn D.	Mod. Language	154 Chestnut.
Augusta Seminary, Staunton, Va.		
West, Marguerite M.	Mod. Language	154 Chestnut.
Augusta Seminary, Staunton, Va.		
Zable, Alice	Mod. Language	150 Constantinople.
New Orleans High School, No. 2.		

Junior Class.

Cannon, Irene	Classical	Galveston, Texas.
Galveston Public Schools.		
Colcock, Isabel	Scientific	262 St. Andrew.
New Orleans High School, No. 2.		
Dimitry, Clino	Classical	148 Annunciation.
Newcomb Academy.		
Fay, Lucy	Classical	Gayden, La.
Kleinberg School, Va.		
Finlay, Esther	Mod. Language	189 Julia.
Mrs. Blake's School.		
Forsyth, Noel L.	Mod. Language	208 Prytania.
Mrs. Blake's School.		

Fulham, Fannie F.	Scientific	212	Milan.
New Orleans High School, No. 2.			
Haile, Clarisse H.	Mod. Language	198	Peters Avenue.
Newcomb Academy.			
Hellwege, Edna	Mod. Language	1306	St. Charles.
Mrs. Blake's School.			
Hernsheim, Addie R.	Mod. Language	995	St. Charles.
Carnatz Institute.			
Hernsheim, Camelia I.	Mod. Language	963	St. Charles.
Carnatz Institute.			
Joor, Hattie C.	Scientific	939	Laurel.
Newcomb Academy.			
Leonard, Daisy	Special Course.	195	Marengo.
Southern Academic Institute.			
Mangum, Mamie	Mod. Language	576	Prytania.
Miss Prentiss' School.			
Richardson, Caroline	Mod. Language	198	Sixth.
New Orleans High School, No. 2.			
Richmond, Sophie	Scientific	175	Fourth.
New Orleans High School, No. 2.			
Schnack, Nellie	Scientific		Alexandria, La.
High School, Alexandria.			
Schriever, Cora	Special Course.	664	St. Charles.
Newcomb Academy.			
Stone, Anne	Special Course.	254	Jackson.
Newcomb Academy.			
Watkins, Edith	Mod. Language	475	Carondelet.
Newcomb Academy.			
Wood, Marie	Mod. Language	319	Second.
New Orleans High School, No. 3.			

Sophomore Class.

Bright, Clara	Special Course	300	Louisiana Avenue.
New Orleans High School, No. 2.			
Campbell, Laura	Mod. Language	211	Prytania.
Newcomb Academy.			
Giffin, Robbie	Mod. Language	245	Foucher.
Newcomb Academy.			
Guion, Louise	Special Course		Napoleonville, La.
Newcomb Academy.			
Guthrie, Clara	Mod. Language	240	Napoleon Avenue.
Newcomb Academy.			
Logan, Virginia	Mod. Language	241	Prytania.
Mrs. Blake's School.			
Mumford, Amelia	Special Course	172	Carondelet.
New Orleans Public Schools.			
Mumford, Susie	Mod. Language	172	Carondelet.
New Orleans Public Schools.			
Neilson, Alice	Special Course		Ruston, La.
Ruston College, La.			
Nicholls, Elizabeth	Mod. Language	320	Josephine.
Newcomb Academy.			
Rogers, Myra	Scientific	209	Third.
New Orleans High School, No. 2.			
Sandidge, Alice B.	Classical	224	Coliseum.
New Orleans High School, No. 2.			
Seguin, Louise	Mod. Language	205	Louisiana Avenue.
Newcomb Academy.			

SIRERA, VIOLA New Orleans High School, No. 2.	Special Course	175 Jackson.
TURNER, EMMA M. New Orleans High School, No. 2.	Scientific	156 Julia.
WOOTEN, JOSIE Newcomb Academy.	Mod. Language	450 Magazine.

FRESHMAN CLASS.

BLAKE, GERTRUDE Newcomb Academy.	Scientific	266 Carondelet.
CHAFFE, LYDIA. Ward's Seminary, Nashville, Tenn.	Mod. Language	230 First.
COYLE, HELEN H. Miss Prentiss' School.	Scientific	283 St. Mary.
FAVROT, LOUISE Newcomb Academy.	Mod. Language	Hy. Clay and St. Charles
FINLEY, LYDIA M. Private Instruction.	Mod. Language	173 Fourth.
FOWLER, ETHEL P. New Orleans High School, No. 2.	Classical	358 Coliseum.
GORHAM, JULIA O. Lake Charles College.	Scientific	Lake Charles, La.
GRANT, ANNIE B. Private Instruction.	Mod. Language	994 St. Charles.
LOGAN, LILY Private Instruction.	Mod. Language	Richmond, Va.
MATTHEWS, CLARA A. Miss Prentiss' School.	Scientific	389 Prytania.
RICHMOND, ABBIE New Orleans High School, No. 2.	Classical	175 Fourth.
RODD, FLORENCE New Orleans High School, No. 2.	Scientific	185 Chestnut.
SPENCER, BRAINETTA Millwood Seminary, Jackson, La.	Scientific	247 Second.
TEBO, ELIZA A. Newcomb Academy.	Scientific	215 Seventh.
WOODS, REBECCA B. Newcomb Academy.	Mod. Language	194 Louisiana Avenue.

SPECIAL COLLEGE COURSES.

BUSH, MRS. L. G.	German	285 Josephine.
COCKERHAM, EDNA	English	226 First.
DENEGRE, AMELIE	German	20 University Place.
ELLIS, ODETTE	English	264 North Rampart.
HOLLIDAY, MRS. D. C.	German	720 St. Charles.
IVY, MAY	English	Walnut and Ann.
JONES, MARY CUTHBERT	Chemistry	156 Washington.
JONES, CAROLINE S.	Chemistry	156 Washington.
JURGENS, THERESA	English	279 Eighth.
MILLSAPS, MONA	English	Monroe, La.
MULLER, MRS. F.	German	234 Canal.
OGDEN, CAROLINE	German	119 Chestnut.
REED, EVELYN	English	97 Euterpe.
SMITH, MRS. H. C.	Chemistry	P. O. Drawer 602, N. O.
STERN, STELLA	Classics	240 Prytania.
WOODWARD, MRS. E.	German—French	160 Fourth.

Normal Art Students.

Bres, Selina	914 Carondelet.
Crouch, Emily H.	74 Hillary.
Howe, Fanny	216 Second.
Jones, Frances	156 Washington.
Kennedy, Roberta	97 Euterpe.
Kopman, Katharine	242 Prytania.
LeBlanc, Emilie Hoa	309 Chartres.
Reinfort, Mary	501½ Baronne.
Roman, Amelie	324 North Villere.
Thurston, Mary	190 Robin.
Villere, Elmire	331 Marie.
Wood, Louise	Robert and Baronne.

Special Art Students.

Armstrong, Mrs. M. H	Galveston, Texas.
Delavigne, Marie	Gourdan and N. Peters.
Donnelly, Mrs. F. E.	939 Constance.
Dunlap, Lydie	178 Peniston.
Dyer, Fannie	166 Philip.
Hall, Edith	Fourth and Prytania.
Henderson, Sally	Prytania and Jackson.
Hincks, Corinne	66 Frenchman.
Kock, Erskine	Belle Alliance, La.
Luckie, Mrs. J. T.	157 Fourth.
Morel, Mrs. O. J.	263 Sixth.
Neill, Mrs. H. M.	Sixth and Chestnut.
Pierson, Clara	206 First.
Roehl, Paula	685 Prytania.
Snow, Mrs. W. H.	Soniat and Chestnut.
Sherrod, E.	Columbus, Miss.
Tewell, Mai	129 Valence.
Wilt, Ada	86 Milan.
Wilson, Fanny	503 Prytania.
Hawthorne, Mrs. C. C.	Christian Woman's Exchange, N. O.

Normal Students in Physical Education.

Barton, Mabel W.	222 Berlin.
DePaas, Beulah Clark	425 Royal.
Perkins, Ethel Willia	222 Delachaise.
Stevenson, Anna Ritter	32 Burdette, Carrollton.

Special Students in Physical Education.

Breard, Tillie	190 Robin.
Cockerham, Edna	226 First.
Ficklen, Mrs. John	631 Camp.
Jurgens, Theresa	279 Eighth.
Leonard, Daisy	195 Marengo.
Long, Lula	Beaumont, Texas.
Millsaps, Mona	Monroe, La.
Powers, Maggie	116 Toledano.
Reed, Evelyn	97 Euterpe.
Roehl, Paula	685 Prytania.
Spencer, Addie	247 Second.
Woodward, Mrs. E.	160 Fourth.

PREPARATORY CLASS.

ALLEN, CAMILLA A.	819 Carondelet.
ANGELL, ALMA I.	767 Carondelet.
BERKSON, CELINE	207 Third.
BIRDSONG, BESSIE	332 St. Charles.
BOUTCHER, GERTRUDE	1580 St. Charles.
BOUTCHER, MAY	1580 St. Charles.
BRAUGHN, FLORENCE B.	121 Carondelet.
COCKERHAM, ELISE	376 Chestnut.
DANIEL, ETHEL M.	Long and Jena.
DUGGAN, EDITH B.	1576 St. Charles.
DYER, EUGENIA	637 Carondelet.
ELMER, ELIZABETH	Louisiana Ave. and Prytania.
FLOTTE, MABEL L.	417 Dauphine.
FORNO, EMMA E.	481 Baronne.
FORMAN, NANNIE R.	1544 St. Charles.
FREYHAN, JULIET	1403 St. Charles.
FULSON, MAUD R.	Water Valley, Miss.
GIRLING, HARRIET L.	346 Prytania.
GILMAN, NELLIE	991 Magazine.
GODCHAUX, LEONIE M.	182 Esplanade.
GUTIERREZ, AURORA	764 St. Charles.
HAAS, BEULAH A.	437 Magazine.
HANDY, ETHA T.	475 Camp.
HART, CARRIE B.	230 Soniat.
HART, EDITH MAY	132 Prytania.
HART, SELINA B.	132 Prytania.
HART, STELLA M.	230 Soniat.
HAYEM, BERTHA	194 Clio.
HILLER, BONITA H.	753 St. Charles.
HOWARD, BESSIE	248 Second.
JONES, HELEN LOIS	356 Coliseum.
JOOR, ELLA MAY	939 Laurel.
JOOR, EVA S.	939 Laurel.
KENNON, ROBERTA B.	Kentwood, La.
KNAPP, MARY BELLE	208 Third.
LEBOURGEOIS, ELIZABETH C.	395 Seventh.
LE DUC, DE L. ALMA	237 St. Charles.
LUCE, MABELLE	Natchez, Miss.
LEMANN, MIRIAM B.	1599 St. Charles.
LOGAN, MABEL O.	241 Prytania.
MEADER, BERTHA E.	Bordeaux and Carondelet.
MOORE, ALICE PRITCHARD	434 Prytania.
MORSE, ALICE	61 Chestnut, Algiers.
MORSE, LINDA	61 Chestnut, Algiers.
NELSON, LOUISE	1563 St. Charles.
NEWMAN, BLANCHE	55 Prytania.
O'CONNOR, MILDRED H.	196 Seventh.
PAGAUD, ELIZABETH H.	234 Philip.
PETERSON, WINIFRED LEE	124 Washington.
PIPES, ELIZABETH S.	Wilson, La.
PRICE, CARRIE W.	131 Peniston.
RANDOLPH, BEVERLY P.	212 Eighth.
REED, KATHERINE M.	97 Euterpe.
SCHNEIDAU, GRACE	Nashville and Hurst.
SCUDDER, A. RAYMOND	First and Camp.
SIMON, LOUISE C.	516 Canal.
SHEPARD, NANNIE A.	628 Henry Clay.
SOLARI, GENOA L.	499 St. Charles.

Stubbs, Anna	Monroe, La.
Stubbs, Louise	Monroe, La.
Talbert, Edna M.	368 S. Rampart.
Twichell, Clara P.	183 St. Charles.
Ulric, Miriam	119 Washington.
Vatter, Clara	212 Third.
Von Mysenbug, Corinne	939 Constance.
Walden, May O.	152 Coliseum.
Wilmot, Maude A.	219 Milan.

RECAPITULATION.

By Class.

Graduates	2
Senior	12
Junior	21
Sophomore	16
Freshman	15
Special and Normal	65
Preparatory	67
	198
Duplicated	10
Total	188

By Course.

Classical	7
Scientific	17
Modern Language	32
Special, Literary	17
Normal, Art	12
Special, Art	20
Normal Physical Education	4
Special Physical Education	12
Total	188

TULANE UNIVERSITY OF LOUISIANA.

LAW DEPARTMENT.

FACULTY.

WILLIAM PRESTON JOHNSTON, LL. D.,
President of the University.

HENRY CARLETON MILLER,
Dean and Professor of Admiralty and International Law.

THOMAS JENKINS SEMMES, LL. D.,
Professor of Constitutional Law, Common Law and Equity.

HENRY DENIS,
Professor of Civil Law and Lecturer on the Land Laws of the United States.

FRANCIS ADAIR MONROE,
Professor of Commercial Law and the Law of Corporations.

HARRY HINCKLEY HALL,
Professor of Criminal Law, the Law of Evidence, and of Practice under the Code of Practice of Louisiana.

The Tulane University is the successor of the University of Louisiana, established near half a century since, in accordance with the provisions in reference to education contained in the Constitution of Louisiana. The faculties of that University embraced that of law, and the Law Department of the University of Louisiana has now become the Law Department of the Tulane University, incorporated in 1884, liberally enhanced by the public-spirited citizen whose name it

bears and whose memory it perpetuates. Thus this department is now in the 47th year of its existence since its introduction as part of the original University. The law faculty of the department in the past, selected with careful reference to learning and ability, has given high repute to the University, and the present faculty has been selected with the view of securing the requisite qualifications for the positions. Four of the members stand in the front rank of the profession, and the fifth, after a long professional career, is now on the Supreme Bench of the State. The faculty, therefore, bring to the discharge of their duties the resources of long experience at the bar. The standard of legal instruction afforded by the University has always been of the highest, and the studies prescribed, as well as the examinations and other tests exacted of the students, are designed to maintain that standard. There are ten lectures in each week of the term, embracing the Common Law, the Law of Corporations, Admiralty and International Law, Constitutional Law, Criminal Law, Evidence, Land laws, and, finally, the Civil Law prevailing in Louisiana is taught as a science, aided by the illustration afforded the students in the daily administration of justice in the District Courts, the Supreme Court, and the Federal tribunals, all holding sessions in the city. While deserved prominence is given to the study of the Civil Law, not only the system of Louisiana, but in part at least that of some of the other States, the University prepares the student for the practice of his profession in the Common Law States.

Since the organization of the Law Department in 1847, the number of the students has been largely increasing every year except during the war. The diplomas of the University, accepted certificates of proficiency in legal knowledge, have placed those who have held them in respectable positions at the bar and advanced many to the highest judicial functions. The number of students in attendance at the term just closed was seventy-five, and thirty were graduated.

Under the law organizing the University the Faculty determine, after due examination, the qualification of applicants for the degree of bachelor of laws, present their names, if found qualified, to the administrators and the diplomas are thereupon issued by the University. No student is admitted to an examination unless he has attended two full courses of lectures or one full course after he has pursued his studies for one year under the directions of a respectable counsellor at law, and who certifies the fact to the faculty. The diploma is

conferred on commencement day according to the forms and ceremonies observed in universities. The diplomas will not be conferred unless the applicant is 21 years of age or who will have attained that age on or before the 15th November succeeding.

Students have access to the State Law Library. Board can be procured in the hotels or boarding houses convenient to the lecture rooms. No matriculation or other fee is required, but the full charge for the course is $80, to be paid the Treasurer of the University when the student enters. Every graduate of the University is entitled to attend the lectures without charge. Students should enter promptly, *i. e.*, before third Monday in November, but may enter so as to be deemed as entering for the course up to the third Monday in January.

TEXT BOOKS OF THE LAW DEPARTMENT.

Hadley's Introduction to Roman Law.
Domat's Civil Law, Cushing's Editions.
Pothier on Obligations.
Civil Code of Louisiana, 1870.
Story's Equity Jurisprudence.
Daniel's Chancery.
Blackstone's Commentaries.

Story's Commentaries on the Constitution.
Kent's Commentaries.
Smith's Mercantile Law.
Abbott on Shipping.
Story on Partnership.
Daniel's on Negotiable Instruments.
Taylor on Corporations.
Meechem on Agency.

The Constitution of the State and Laws of a General Nature.
Cooley's Constitutional Limitations.
Conkling's Treatise United States Courts.
Woolsey's International Law.
Parsons' Maritime Law.
Conkling's Admiralty.
Civil Code.
Statutes of Louisiana.

Decisions of the Supreme Court of Louisiana.
Manual of Criminal Law, Washburn.
Decisions of Supreme Court of Louisiana.
Stephens' Digest of the Law of Evidence.
Decisions of Supreme Court of Louisiana.
Morawetz on Corporations.
Dillon on Municipal Corporations.
May on Insurance.
Code of Practice of Louisiana.
Fourth Book of Blackstone.
The Constitution of the United States and Laws of a General Nature.

The next session opens on the third Monday of November, 1894, with a public lecture by the Dean. The term ends in May.

All communications in reference to entering and subjects connected with the Law Department should be addressed to

HENRY C. MILLER,

Dean of the Law Department, Tulane University.

May, 1894.

LIST OF GRADUATES OF THE LAW DEPARTMENT.

DEGREES CONFERRED MAY 12, 1894.

Ansley, Hubert M.
Aldrich, Lawson B.
Bayne, Hugh A.
Blackmar, Armand E.
Browne, Arthur H.
Bruning, Henry J.
Buck, Chas. F., Jr.
Cocke, Chas. P.
Colomb, Robert W.
Dupre, Henry G.
Ellis Robert S.
Gassie, Harry J.
Gill, Henry M.
Gordy, Walter B.
Hubert, Louis A.
Kettell, George F.
Landry, Arthur L.
Moore, Joseph
Newman, Harold W.
Otero, Richard B.
Prevost, Henry C.
Prowell, Joel J.
Richard, Kossuth V.
Rosen, Charles
Sheridan, John M.
Spitzfaden, Theodore G.
Tobin, John F.
Vidrine, Eraste
Watt, John
Williams, George E.
Wood, Fenwick K.

LAW CLASS, 1893-94.

Ansley, Hubert Marion
Aldrich, Lawson Burford
Aucoin, August M.
Bayne, Hugh A.
Blackmar, Armand Edward
Bloch, Edgar H.
Boatner, Mark M.
Brown, Matthew James
Browne, Arthur H.
Brulatour, Jules E.
Bruning, H. J.
Buck, Charles Francis, Jr.
Byrne, Charles Aiken
Charbonnet, Francis D.
Chauvin, R. J.
Cocke, Charles P.
Coleman, John J.
Colomb, Robert William
Crawford, Samuel A.
Daspit, Joseph O.
DeGrange, Benjamin J.
Dupre, Henry Garland
Dunn, Arthur, Jr.
Ellis, Robert
Estopinal, Fernando
Foster, Rufus E.
Furman, Henry M.
Gassie, Henry Joseph
Gay, Andrew H.
Gill, Henry Miller
Gogarty. Robert H.
Goldberg, Abraham
Gordy, Walter B.
Heimel, Henry L.
Hubert, Louis A.
Kettell, George
Kibbe, Moses Upsher Payne
Kittredge, Ivy S.
Kronenberger, G. G.
Landly, Arthur
Legiere, Robert
Livaudais, Oliver S.
Montagnet, August
Moore, Joseph
Murphy, Edmund J.
Newman, Harold Weil
Norvell, Peyton
Ogden, Oswald
Otero, Richard B.
Pierson, Edward
Prevost, Henry C.
Prowell, Joel J.
Richard, Kossuth V.
Ricks, John C.
Rosen, Charles
Ryan, Thomas Henry
Sheridan, John Matthias
Shields, Bernard C.
Smart, George B.
Socola, G. F.
Soule, Frank
Spitzfaden, Theodore G.
Stentz, Valentine J.
Stubbs, Frank P., Jr.
Tebault, Grantland L.
Thibaut, P. Arthur
Tobin, John Francis
Untereiner, George J.
Vidrine, Eraste
Walton, Joseph F.
Watt, John
Wright, Ira E.
Williams, George E.
Wood, Fenwick Kilburn
Woodville, Alonzo

MEDICAL DEPARTMENT.

FACULTY.

WILLIAM PRESTON JOHNSTON, LL. D., President of the University.

STANFORD E. CHAILLÉ, M. D., Dean and Professor of Physiology, Hygiene and Pathological Anatomy.

JOSEPH JONES, M. D., LL. D., Professor of Chemistry and Medical Jurisprudence.

ERNEST S. LEWIS, M. D., Professor of General and Clinical Obstetrics and Diseases of Women and Children.

JOHN B. ELLIOTT, M. D., Professor of the Theory and Practice of Medicine and Clinical Medicine.

EDMOND SOUCHON, M. D., Professor of Anatomy and Clinical Surgery.

ALBERT B. MILES, M. D., Professor of General and Clinical Surgery.

LOUIS F. RENAUD, M. D., Professor of Materia Medica, Therapeutics and Clinical Medicine.

HENRY BAYON, M. D., Lecturer and Clinical Instructor on Physical Diagnosis.

H. S. LEWIS, M. D., Lecturer and Clinical Instructor on Physical Diagnosis.

ISADORE DYER, M. D., Lecturer and Clinical Instructor on Dermatology.

J. D. BLOOM, M. D., Lecturer and Clinical Instructor on Diseases of Children.

LUTHER SEXTON, M. D., Lecturer and Clinical Instructor on Minor Surgery.

EDW. W. JONES, M. D., Lecturer and Clinical Instructor on Diseases of Eye and Ear.

RUDOLPH MATAS, M. D., Demonstrator of Anatomy.

A. MCSHANE, M. D., Assistant Demonstrator of Anatomy.

P. E. ARCHINARD, M. D., Demonstrator of Microscopical Anatomy and Bacteriology.

O. L. POTHIER, M. D., Assistant Demonstrator of Microscopical Anatomy and Bacteriology.

A. L. METZ, M. PH., M. D., Instructor in charge of Chemical Laboratory.

T. A. QUAYLE, M. PH., M. D., Assistant Instructor in charge of the Chemical Laboratory.

A. L. METZ, M. PH., M. D., Instructor in charge of the Pharmaceutical Laboratory.

WARREN S. BICKHAM, M. D., Demonstrator of Operative Surgery

MEDICAL DEPARTMENT.

1. This institution, founded in 1834 as the "Medical College of Louisiana," became in 1847 the "Medical Department of the University of Louisiana," and in 1884 the "Medical Department of the Tulane University of Louisiana." It is the oldest medical college in the Southwest, and has the greatest number of alumni and of students. To April, 1894, it had registered the names of 10,905 students, and of these it had conferred diplomas on 3141—namely, on 2895 graduates in medicine, and 246 graduates in pharmacy.

2. The next annual course of instruction in this department, now in the sixtieth year of its existence, will begin on Thursday, October 18, 1894. The commencement will be held on Wednesday, April 17, 1895. There will be only three holidays, Christmas, New Year's Day and Mardi Gras. The first two weeks of the term will be devoted especially to Clinical Medicine, Surgery, Obstetrics and Gynæcology in the wards and amphitheatre of the Charity Hospital; and to practical work in the Laboratories of Practical Anatomy (Dissecting Rooms), of Chemistry, of Pharmacy and of Histology and Bacteriology. These laboratories will be open for instruction on Monday, October 22, 1894.

3. The Medical Department, *as well as all reputable Southern Medical Colleges*, has added to the obligatory studies heretofore required for graduation, Medical Jurisprudence and also one laboratory course in Chemistry, one in Histology and Bacteriology and one in Operative Surgery. For these additions and for other important changes as to requirements for admission and for graduation, and as to fees, see subsequent paragraphs.

NEW BUILDING WITH ITS LABORATORIES.

4. The Medical Department now occupies a new site twice the size of the former one and only two squares from the Charity Hospital, and thereon a four-story building (three stories above a most excellent basement) which provides accommodation for larger classes and for all the needs now requisite to medical education: larger and better lecture and recitation rooms, and best of all ample and well

equipped laboratories for Chemistry, for Pharmacy, for Practical Anatomy, for Operative Surgery, for Microscopical Anatomy, Pathology and Bacteriology, and working rooms for practical Physiology and for gross Pathological Anatomy. These admirable laboratories, now added to the unrivaled practical advantages for clinical, anatomical and pathological studies given by the Charity Hospital, enable the Medical Department to provide its students with unsurpassed advantages for their medical education.

CLINICAL INSTRUCTION AT THE CHARITY HOSPITAL.

5. The Faculty solicits the special attention not only of students but also of graduates of other colleges to the unequaled clinical and anatomical advantages of the Medical Department.

It is universally admitted that without abundant anatomical and clinical material no medical school, however numerous or eloquent its professors, can possibly fit its pupils for practical professional life. It is scarcely necessary to state that it is only in large cities that such advantages can be procured, but it is of paramount importance that the opportunities there afforded should be properly utilized; that the students should be required, under the direction of the teacher, to examine the patients for themselves, to keep record of cases, to note daily changes which may occur, and thus acquaint themselves by personal observation with the progress and termination of diseases and accidents. The mere introduction of a patient into an amphitheatre, and the discussion of his case by the professor in the presence of a large class, is no substitute for bedside instruction, such as is offered by the great Charity Hospital of New Orleans; and no reduction of lecture fees, not even their entire abolition, can possibly compensate for the lack of such opportunities. The use of the wards of this noble institution, with its *seven hundred beds*, and its annual occupancy thereof by eight or more thousand patients, and the use of the two clinical buildings, with more than twenty thousand annual out-door patients, have been given by acts of the Legislature to the professors of the Medical Department of the Tulane University of Louisiana for the practical instruction of its students, not only in Medicine and Surgery, but also in Obstetrics and Gynæcology. Medical students are given access to the Charity Hospital without payment of any hospital fees, and far better opportunities for the study of diseases therein than are usually enjoyed in the hospitals of other

cities. For the study of the diseases of the Southwest, and also of the diseases of the negro race, there is no field comparable to the wards of this hospital. Between the new building of the Medical Department and the Charity Hospital there are only two squares, which distance is readily walked within three minutes.

The following table of 9283 cases treated in the wards of the Charity Hospital during the year 1893 will give some idea of the great advantages possessed by the Medical Department for the practical study of Medicine and Surgery:

DISEASES.	Number of Cases.	DISEASES.	Number of Cases.
Fevers and other general diseases	2714	Venereal	479
Nervous system	571	Bones and joints	160
Circulatory organs	282	Toxic diseases	56
Respiratory organs	847	Eye, ear and nose	165
Digestive organs	1094	Skin	110
Genito-Urinary organs	421	Local diseases and injuries	1391
Women (235 obstetrical cases)	808	All other diseases	185
		Total	9283

There were 1184 deaths and 235 births, and a daily average of 605 in-door patients. In addition to the 9283 "in-door" patients, there were 21,205 "out-door" patients treated, to whom 50,909 consultations were given. In addition to these there were 2055 cases of minor surgery attended out of clinic hours, in the Surgical Amphitheatre. The 21,205 out-door patients furnished for instruction the following valuable material, viz.: Medical cases, 5758; surgical, 4443; nervous, 487; venereal and skin, 2676; gynæcological, 1651; diseases of children, 2461; eye, ear, nose and throat, 1751; dentistry, 1978. It should be noted that the sum total of all cases treated in 1893 in the Charity Hospital was 32,543.

The grand total of in-door patients and out-door patients in the Charity Hospital was 30,483, of whom 11,674 were colored. There are sixteen wards for females. Of the fifty-two wards in the Charity Hospital there are twenty-three medical, fourteen surgical, two obstetrical and two gynæcological wards, two for children, four for diseases of the nervous system, two for venereal diseases, two for diseases of the eye and ear, and one for skin diseases; and all these wards are accessible to students.

There are besides two admirable two-storied clinical buildings for out-door patients. Each of these buildings is subdivided into eight

different services, and seven of these are alike in both buildings, viz.: A service for medical cases; for nervous diseases; for surgical cases; for venereal and skin diseases; those of the eye; of the ear, nose and throat; and for cases of dentistry. In addition to these seven services the "Men and Boys' Clinic" has a surgical service for boys, and the "Women and Children's Clinic" has a gynæcological service.

It is manifest that these facilities for *genuine* clinical teaching, which recent improvements in the hospital have greatly increased, are now unsurpassed by any Medical College in the United States, and that such advantages in medical education are being more and more appreciated is attested by the increasing size of the classes.

6. The professors and clinical instructors are Attending Physicians or Surgeons of the Hospital, and visit their wards daily, accompanied by the students, who are thus brought into immediate contact with the sick and wounded, and are taught practically auscultation and percussion, analysis of urine, the use of the microscope in diagnosis, the application of dressings, etc. Surgical operations are performed and lectures delivered upon selected cases in the amphitheatre of the Hospital.

Special clinical instruction is given to the candidates for graduation and to all students, who are, for this purpose, divided into classes, and assigned to the respective professors and clinical instructors, in charge of wards in the Hospital. The classes thus formed interchange courses, so that all students enjoy equal advantages. Competent Chiefs of Clinic aid the clinical teachers in developing this system of instruction. The following professors and clinical instructors and their respective chiefs of clinic and assistants will be on duty the ensuing session:

Chiefs of Clinic.

PROF. ERNEST S. LEWIS, M. D. — P. MICHINARD, M. D.; H. S. COCRAM, M. D.; S. FORTIER, M. D.

PROF. JOHN B. ELLIOTT, M. D. — J. H. BEMISS, M. D.; P. E. ARCHINARD, M. D.

PROF. EDMOND SOUCHON, M. D. — W. W. BUTTERWORTH, M. D.; MARION SOUCHON, M. D.

PROF. ALBERT B. MILES, M. D. — JNO. J. LAURANS, M. D.; H. J. SCHRECK, M. D.; W. E. PARKER, M. D.

PROF. L. F. REYNAUD, M. D. — JNO. B. ELLIOTT, JR., M. D.; J. MOORE SONIAT, M. D.

Clinical Instructors.

DR. EDW. W. JONES.
DR. ISADORE DYER.
DR. J. D. BLOOM.
DR. LUTHER SEXTON.
DR. HENRY BAYON.
DR. H. S. LEWIS.

Assistant Clinical Instructors.

DR. ——— ———.
DR. ——— ———.
DR. E. D. FENNER.
DR. ——— ———.
DR. G. S. BEL,
DR. E. J. BLOCH.

The regular lectures at the Hospital on Clinical Medicine, by Professors Elliott and Reynaud; on Surgery, by Professors Miles and Souchon; and on Obstetrics and Diseases of Women and Children, by Professor Lewis, will be delivered in the amphitheatre daily between 8:30 A. M. and 12 M.

Post-mortem examinations are made in the presence of the class by the Professor of Pathological Anatomy.

Diseases of the Eye and Ear are taught in the eye-wards and amphitheatre of the Hospital and constitute a part of the curriculum of the surgical chair.

Special instruction in diseases of the skin, diseases of children, physical diagnosis and minor surgery is given by the lecturers on these subjects.

7. The Administrators of the Charity Hospital elect annually, by competitive examination in March, fourteen resident students, who are entitled to board and lodging in the institution free of charge, and fourteen externes, who serve as assistants in the out-door clinics. Three resident students in the Touro Infirmary are also elected annually by competitive examination.

LECTURES AND LABORATORIES.

8. *Lectures.*—Systematic didactic instruction will be given daily, immediately after the hospital clinics, in the new building of the Medical Department on Canal street, between Villere and Robertson streets, only two blocks from the hospital. The means for illustrating the didactic lectures consist of numerous models in wax, papier maché plaster and wood of rare and beautiful workmanship, executed in London, Paris and Florence expressly for the Medical Department; very many tables and diagrams; a complete series of specimens in materia medica; surgical and obstetrical instruments and appliances; a large collection of natural, anatomical and pathological specimens and preparations, and a set of chemical and physical apparatus. The Professor of Anatomy illustrates his lectures with many specimens of microscopical anatomy under the microscope.

Hygiene and Medical Jurisprudence are now obligatory studies, and the lectures on these subjects are adequately illustrated. The assistant to the Professor of Chemistry and Medical Jurisprudence is Dr. H. P. Jones.

CHEMICAL LABORATORY.

9. This laboratory readily accommodates eighty-four students working at the same time, and one course therein will be obligatory on all first-course students, and after the next session a certified course in the Chemical Laboratory of a medical college will be obligatory on all candidates for graduation. It has been placed in charge of Dr. A. L. Metz, M. Ph., who has been during the last seven years in charge of the Pharmaceutical Laboratory, and who continues in charge thereof. Dr. T. A. Quayle, M. Ph., is the assistant instructor in these laboratories. Special attention will be given to medical chemistry and to such knowledge of Chemistry as will prove of greatest service to the practising physician. Every student will be provided with a separate table, apparatus and reagents.

MICROSCOPICAL LABORATORY.

10. This laboratory readily accommodates eighty-four students working at the same time, and one course therein is obligatory on all candidates for graduation in 1896. Microscopical anatomy, both normal and morbid, and also bacteriology will be taught. This laboratory is in charge of Dr. P. E. Archinard, a pupil of Pasteur and Koch. Dr. Archinard's assistant instructor is Dr. O. L. Pothier.

The fee for a special course in bacteriology will be $25, but the fee for one regular course in microscopical anatomy and bacteriology is only $15.

OPERATIVE SURGERY.

11. This will be practically taught in the Laboratory of Operative Surgery, and one course therein will be obligatory on all candidates for graduation after 1894-95. The instructor in charge is Dr. Warren S. Bickham. The entire field of General Surgery will be gone over, the steps of each operation being first admirably illustrated by means of an Electric Optical Projector, and fully explained by the Demonstrator, after which the students, in sections, will perform the operations in the presence of the Demonstrator and the class. One course in this laboratory is strenuously urged upon all candidates for graduation.

Those students desiring a certificate of attendance upon this course can obtain the same upon the payment of $1.

REQUIREMENTS FOR MATRICULATION AND FOR GRADUATION OF THE SOUTHERN MEDICAL COLLEGE ASSOCIATION.

12. In 1892 the American Medical College Association, to which belong all reputable northern medical colleges, and also some few southern medical colleges, enforced on medical students an educational qualification for admission and a three years' course for graduation. A Southern Medical College Association has since been organized and the Medical Department of the Tulane University of Louisiana, and all reputable southern medical colleges (which are not members of the American Medical College Association) are now members of the Southern Medical College Association. These southern colleges have united in requiring from students *who had attended one full course*, prior to September 1, 1893, only two full courses for graduation, and no educational qualification other than furnished by the final examination. However, these privileges have been limited to the session of 1894-95 by the following resolution, adopted November 15, 1893, by the Southern Medical College Association: "That after the next annual session (1894-95) every medical student, whether first admitted before or after September 1, 1893, must have attended in a regular and reputable medical college three full courses, in three separate years, before he can be graduated."

13. But, on students who may have attended their first course in a medical college after September 1, 1893, the following new requirements for admission and for graduation will be obligatory:

"Requirements for Matriculation.

"Every student applying for matriculation must possess the following qualifications:

14. "He must hold a certificate as the pupil of some known reputable physician, showing his moral character and general fitness to enter upon the study of medicine. (For a blank form of this certificate see note 1.)

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(1) ..... 189.....

Secretary (or Dean) of.....

(City) .....(State).....

Dear Sir:

Mr..... .....of.....

is a gentleman of good moral character. I recommend that he be allowed to enter upon his medical studies in your college. He has been my pupil.....months. Yours,

(Sign here).....

"He must possess a diploma of graduation from some literary or scientific institution of learning or certificate (for form of this certificate see note 2) from some legally constituted High School, General Superintendent of State Education, or Superintendent of some County or Parish Board of Public Education, attesting the fact that he is possessed of at least the educational attainments required of second grade teachers of public schools; *provided*, however, that if a student so applying is unable to furnish the above and foregoing evidence of literary qualifications, he may be permitted to matriculate and receive medical instructions as other students, and qualify himself in the required literary departments, and stand his required examination as above specified, prior to offering himself for a second course of lectures.

15. "The foregoing diploma or certificate of educational qualifications, attested by the Dean of the Medical College attended, together with a set of tickets showing that the holder has attended one full course of medical lectures, shall be essential to attendance upon a second course of lectures in any College belonging to this Association.

16. "Branches of *Medical Science to be included in the course* of instruction: Chemistry, Medical Jurisprudence, Anatomy, Pathology, Physiology, Hygiene, Materia Medica and Therapeutics, Theory and Practice of Medicine, Surgery, Obstetrics and Gynæcology, and special laboratory work as hereinafter provided.

"Qualifications for Graduation.

17. "Candidates for graduation, in addition to the usual requirements of medical colleges, must have attended three courses of lectures of not less than six months each in three separate years; must have dissected in two courses, and attended two courses of clinical or hospital instruction; and must have attended one course in each of the special laboratory departments, to-wit: 1. Histology and Bacteriology. 2. Chemistry. 3. Operative Surgery.

"These requirements shall not apply to any student who has received a course of medical lectures prior to September 1, 1893."

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(2) .....189.....

Secretary (or Dean) of.....

(City) .....(State).....

Dear Sir:

I have examined Mr.....

of.....and find his scholastic attainments equal to those requisite for a second grade teacher's certificate in our public schools. Yours,

.....Supt. Pub. Instruc.

While the requirements and qualifications quoted in paragraphs 14-17 will be imposed by the Medical Department of the Tulane University of Louisiana, as a member of the Southern Medical College Association, yet the Medical Department will impose on all future candidates for graduation the following

Additional Qualifications for Graduation.

18. Every student, in order to become a candidate for graduation, must be of good moral character; must be 21 years of age; must write a thesis on a medical or pharmaceutical subject and present it to the Dean between January 1 and March 1 of his last session; must have paid all college dues, including the graduation fee; and must pass satisfactory examinations before members of the faculty.

19. *Qualifications for the Graduation of a Student Who has Attended a full Course in a Medical College Prior to September 1, 1893:*

He must comply with the above "Additional Qualifications" of paragraph 18; must have attended in two separate years at least two full courses of lectures and of dissections, and the last of the two annual courses required must have been in this institution, and he must present evidence of having studied medicine for three years ending with the date of his graduation; one of these three years may have been passed in study under the direction of a regular graduate. In addition it is strenuously urged on every candidate for graduation that he should have taken prior to his graduation all of the laboratory courses specified in paragraph 17.

EXAMINATIONS AFTER TWO ANNUAL COURSES.

20. Students who have attended and paid for two courses, the last of which was in this institution, are permitted to undergo examinations upon one or more of the branches taught by the four chairs of Chemistry, Anatomy, Physiology, and Materia Medica. These examinations if successful will not be repeated, but if the applicant should fail upon one or more of them, he will be granted a second trial, when he shall present himself for final examination.

ATTENDANCE ON THREE OR MORE ANNUAL COURSES.

21. Students who have attended and paid for all of the required full courses, the last of which was in this institution, are thereafter

entitled to attend the lectures without charge; and it is the earnest desire of the Faculty that they should avail themselves of this privilege, to the extent, at least, of one additional course, before applying for graduation. It is gratifying to be able to state that of the one hundred M. D. graduates of 1894, fifty-eight had attended three or more courses; and their high standing at the final examination and their better preparation for the practice of their profession more than compensated them for their longer attendance upon lectures.

FEES.

22. It will be noticed that the fees of this institution will now amount to a total of $465 for a three years' course, instead of $335 for the former two years' course.

Considering the exceptional advantages for practical instruction in hospital and in laboratories, and the constant care and labor bestowed upon the pupils, the charges are as low as are compatible with the superior advantages given; and the Faculty therefore appeal to their professional brethren throughout the Southwest to continue their support to an institution which does not seek to increase the size of its classes by pecuniary rivalry and *discreditable underbidding*, but by offering a *full equivalent for its charges*.

Table of Fees.

23. FOR FIRST COURSE STUDENTS OF 1893-94 TAKING THREE FULL COURSES.

	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.
Matriculation Fee	$5 00	$5 00	$5 00
Professors and Lectures	120 00	120 00	120 00
Demonstrator of Anatomy	10 00	10 00	
Chemical Laboratory	15 00		
Microscopical Laboratory		15 00	
Operative Surgery			10 00
Diploma or Graduation Fee			30 00
Totals	$150 00	150 00	$165 00

All fees are payable in advance, that is on admission.

24. *Matriculation Fee.*—In this, as in every college of the Southern Medical College Association, every person, whether student or graduate, admitted to the privileges of this College shall hereafter pay a matriculation or registration fee of $5 for every session he may attend; and shall not be entitled to admission to either College or Hospital until registered. However, those students who took a full

course and those who were graduated prior to September 1, 1893, will not be charged a matriculation fee for the session of 1894-95.

25. *Breakage Fees.*—A breakage fee of $5 must be deposited for every course in the Chemical, in the Pharmaceutical and in the Microscopical Laboratory to reimburse needless injuries inflicted on these laboratories and their contents. At the end of every session the breakage fee will be refunded in whole or in part, depending on the charges incurred by the student.

26. All medical students who attended in any regular and reputable medical college and paid for one full course prior to September 1, 1893, and are to be candidates for graduation in 1895, must pay the same fees charged prior to September 1, 1893, viz.: For matriculation (if never paid in this college), $5; for professors' fees, $140; for demonstrator's ticket, $10; and for graduation, $30.

27. Graduates of this College and all medical students, who have paid all fees in the Table of Fees, will not be charged the professors' fees, but will be charged the matriculation fee and the fees for all laboratory courses they may voluntarily attend.

28. Students who do not attend full courses, but only *partial or special* courses, must pay for the tickets of the professors whom they may attend, $20 each; for one course in the Chemical and Microscopical Laboratories, $20 each, and for other fees as in the Table of Fees.

29. Graduates of other recognized medical colleges must pay for the professors' fees $70, and thereafter will be entitled to the same privileges given to the graduates of this college. They can not, however, obtain its diploma without passing the final examination, without having attended the laboratory courses required of our graduates, and without paying the graduation fee.

30. Graduates in Pharmacy and in Dentistry will be credited the first year of the three years' course, but will not be graduated in medicine until they have attended all of the laboratory courses specified in paragraph 17.

31. After the next session, 1894-95, neither this nor any college of the Southern Medical College Association, nor probably any reputable medical college in the United States, will recognize either the courses or the diplomas of any medical college which may permit students to be graduated after only two courses, or which may require less for graduation than is demanded by the Southern Medical College Association.

INSTRUCTION IN PHARMACY.

The Medical Faculty is also authorized by law to grant diplomas in Pharmacy, and has exercised this privilege since 1838, having now 246 graduates, 191 of whom have been graduated during the past sixteen years.

32. The students of Pharmacy are required to attend two annual courses of lectures given by the professors on Chemistry and Medical Jurisprudence, on Materia Medica and Therapeutics, and on Hygiene, and to attend one course in the Chemical and two courses in the Pharmaceutical Laboratory.

Instruction in the Pharmaceutical Laboratory is graded, and consists of a Junior and of a Senior Course. These courses are designed to fit the student to conduct the processes of manufacturing and of dispensing in the most thorough and economical manner.

33. Reputable women are admitted as students to the Chemical and to the Pharmaceutical Laboratory, but not to the lectures of the professors.

34. Pharmacy students who may begin their first course after September 1, 1893, will be subjected to the educational "requirements for matriculation" enforced on medical students (see par. 14), and all candidates for graduation in Pharmacy must comply with the requirements specified in paragraphs 18 and 32, and must also submit to the Dean a satisfactory certificate of at least two years' practical experience under the instruction of a competent pharmacist.

35. *Fees.*—The charge for one full course in pharmacy is $75, viz.: for matriculation, $5; professor's fee, $35; chemical laboratory, $15; and pharmaceutical laboratory, $20. The fee for graduation is $20. In addition every student must deposit a breakage fee of $5 for the chemical and also for the pharmaceutical laboratory, in accord with paragraph 25.

36. Students in medicine who take also the course in pharmacy are required to pay only the laboratory fees. Students in pharmacy are not charged for the tickets of professors after attendance upon two full courses; but all students are charged for every laboratory course, however numerous these may be.

37. The Chemical and Pharmaceutical Laboratories will be opened for instruction on Monday, October 22, 1894.

TEXT BOOKS.

38. The books mentioned below are recommended in preference to others; but *recent additions of any standard works* may be used in their stead. Only one text book on each branch is indispensable. The cost of a set of text books on all the branches is about $50. The prices affixed below are now the lowest prices of the cheapest copies, usually in cloth:

SURGERY—American Text Book, $7.00; Ashurst, $4.75; Senn, $4.50; Roberts, $3.75; Wyeth, $7.00; Moullin's Operative Surgery, $7.00; Treves, two volumes, $8.00; Garmany, $2.00; Aseptic and Mind Surgery, Gerster, $4.50; Wharton, $2.70; Diseases of the Eye, Nettleship, $1.80; Swanzy, $2.70; Diseases of the Ear, Politzer, $5.00; Sexton,,$3.60.

PRACTICE OF MEDICINE—Flint, $4.75; Loomis, $5.00; Pepper, $10.00.

DERMATOLOGY—Van Harlingen, $2.25; Ransom, $1.00; Crocker, $4.50; Shoemaker, $4.50; Hyde, $4.50.

PHYSIOLOGY—Foster, $4.00; Yeo, $3.00; Landois, $6.00; Chapman, $4.50.

HYGIENE—Wilson, $3.00; Parkes, $4.50; Richardson.

PATHOLOGICAL ANATOMY—Green, $2.50; Coats, $4.75; Ziegler, $5.00; Payne, $3.00; Delafield & Prudden.

OBSTETRICS—Playfair, $3.45; Lusk, $4.25; American System, $20.00; Starr's Diseases of Children, $7.00; Garrigue's Diseases of Women, $——.

GYNÆCOLOGY—Skene, $6.00; Thomas, $4.15; Emmett, $4.00; Pozzi, $12.00.

DISEASES OF CHILDREN—Smith, $4.50; Day.

CHEMISTRY—Witthaus' Manual, $3.75; Fownes, $2.50; Attfield, $2.50; Bloxman, $4.00; Fresenius, $4.00; Ganot's Physics, $4.50; Parrish's Pharmacy, $4.50.

MEDICAL JURISPRUDENCE—Taylor, $4.50.

ANATOMY—Gray, $5.80; Wilson, $5.00; Richardson, $4.00; Souchon's Résumé, $2.00.

MATERIA MEDICA AND THERAPEUTICS—Wood, $6.00; Rabuteau, $7.00; Bartholow, $4.10; Brunton, $4.50; National Dispensatory, $6.75.

DIAGNOSIS—DaCosta, $6.00; Loomis, $2.75.

DICTIONARIES—Dunglison, $5.50; Gould, $3.00; National, $12.00.

CHEMICAL LABORATORY—Pellew, $2.50; Simon, $3.00.

MICROSCOPICAL LABORATORY—Histology—Prudden, $1.25; Klein, $1.75; Klein & Smith's Atlas, $——. Bacteriology—Abbott, $2.00; Sternberg, $8.00.

PRACTICAL PHARMACY—Remington's Practice of Pharmacy, $6.00; U. S. Pharmacopœia, $3.50.

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39. Students preparing to enter college are recommended to study especially Gage's or Ganot's Physics; Fowne's Chemistry; Gray's Anatomy; Yeo's or Foster's Physiology, or any other standard works on these four subjects.

EXPENSES, ETC.

40. Information about houses for boarding and lodging may be obtained by application to Oswald Belfield, Janitor. The price usually paid by students is $20 per month.

For any additional information, address "PROF. CHAILLÉ, DEAN, P. O. Drawer 261." Letters thus *officially* addressed secure prompt attention even if the Dean be absent.

STANFORD E. CHAILLÉ, M. D.,

Dean of the Medical Department.

NEW ORLEANS, LA., *June, 1894.*

GRADUATES OF 1894.

At the Sixteenth Annual Commencement, held Wednesday, April 18, 1894, the Salutatory was delivered by Dr. Clarence Pierson, of Louisiana; the Annual Address by Prof. James H. Dillard, M. A., of Tulane University; and the Valedictory by Dr. John N. Oechsner, of Louisiana.

Degrees were conferred on 111 graduates, viz.: 100 in medicine, and 11 in pharmacy, as follows:

GRADUATES IN MEDICINE—100.

NAMES.	POSTOFFICE.	COUNTY.	STATE.
ALDRICH, ROBT. H.	Baton Rouge	E. Baton Rouge	Louisiana
ALLMON, ROLLO B.	Georgiana	Butler	Alabama
ANDERSON, WM. B. (M. D.)	Content	Runnels	Texas
*BALDRIDGE, FELIX E.	Huntsville	Madison	Alabama
BEAN, WHITFIELD B.	Buck Horn	Pike	Alabama
BETHEA, JOHN W.	Walker's Bridge	Pike	Mississippi
BETTS, WM. R. (PH. G.)	New Orleans	Orleans	Louisiana
*BREAUX, OSCAR J.	New Orleans	Orleans	Louisiana
BROOKES, ROBT. C.	Pontotoc	Pontotoc	Mississippi
BURDITT, JESSE B.	Lockhart	Caldwell	Texas
BUSH, CHARLES R.	Macon	Noxubee	Mississippi
*BUTTERWORTH, WM. W.	Greensburgh	St. Helena	Louisiana
CARSON, MARCUS F.	Harmony Grove	Jackson	Georgia
CHOPPIN, ARTHUR R.	New Orleans	Orleans	Louisiana
CLARKSON, ADDIE W.	Manchester	Red River	Texas
CONNERLY, FRANK L.	New Orleans	Orleans	Louisiana
COWART, JAMES W.	Cowart	Bibb	Georgia
CRONIN, PHILIP H.	Palestine	Anderson	Texas
CULPEPPER, MALLORY B.	Weston	Jackson	Louisiana
*ELLIOTT, JNO. B., JR.	New Orleans	Orleans	Louisiana
EMORY, GEO. W.	Opelika	Lee	Alabama
ENGELBACH, THEODORE	New Orleans	Orleans	Louisiana
FOLKES, HYMAN MCM.	Jackson	Hinds	Mississippi
GAUDIN, LOUIS A.	Convent	St. James	Louisiana
GILLAM, JOHN ROBT.	Battle	McLennan	Texas
GRACE, WM. L.	Plaquemine	Iberville	Louisiana
GRAVES, CULLEN P.	Mansfield	Tarrant	Texas
GREFF, HENRY	New Orleans	Orleans	Louisiana
GRIFFIN, RICHARD W.	Tiptonville	Lake	Tennessee
HALEY, JAMES F.	Œnaville	Bell	Texas
HALL, ROWLAND J.	Osage	Coryell	Texas
HAMILTON, NOBLE E.	Greenville	Butler	Alabama
HARRISON, JILSON P., JR.	Burke Station	Iberia	Louisiana
§HEUSNER, KARL	Belize		British Honduras
§HOFFPAUIR, MANASSEH L.	Rayne	Acadia	Louisiana
HORSLEY, JOS. S., JR.	West Point	Troup	Georgia
HUEY, THOS. W.	Crystal Springs	Copiah	Mississippi
HYLAND, CLAIBORNE S.	Yokena	Warren	Mississippi
JONES, HAMILTON P.	New Orleans	Orleans	Louisiana
JONES, REID V.	Utica	Hinds	Mississippi
KENDRICK, JNO. A.	Greenville	Butler	Alabama
KENNEY, JNO. W.	San Antonio	Bexar	Texas
LAVIGNE, BASILIDE (M. PH.)	New Orleans	Orleans	Louisiana
LAW, WM. L.	Fayetteville	Talladega	Alabama
LAWLESS, JNO. A.	Itasca	Hill	Texas
LEBLANC, P. HOA	New Orleans	Orleans	Louisiana
LENOIR, JAS. L., JR.	Muldon	Monroe	Mississippi
LERCH, OTTO	New Orleans	Orleans	Louisiana
*LOVELL, JOS. M.	Palmyra	Warren	Mississippi
MCCALLUM, TORREY G.	Paulding	Jasper	Mississippi
MCGAUGHY, JOHN C.	Waco	McLennan	Texas
MCGOLDRICK, JAMES	Coushatta	Red River	Louisiana
MCGOWAN, GEO. C.	Ellisville	Jones	Mississippi
MCREE, F. VERSIE	Caseyville	Lincoln	Mississippi
MOODY, THOS. C.	Paris	Lamar	Texas
MOORE, JAS. R.	Shiloh	Union	Louisiana

NAMES.	POSTOFFICE.	COUNTY.	STATE.
MOORE, JOS. F., JR.	Estabutchie	Jones	Mississippi
MOORE, THOS. W.	LaGrange	Fayette	Texas
*MORRIS, ROBT. T.	Austin	Travis	Texas
MURPHY, GEO. W.	Oakland	Union	Louisiana
ODOM, THOS. B.	Whitehall	Livingston	Louisiana
*OECHSNER, JOHN F.	New Orleans	Orleans	Louisiana
PARIS, WALTER E.	St. Augustine	St. John's	Florida
PARSON, HY. J.	Mansfield	DeSoto	Louisiana
PETERSEN, FRED. C.	New Orleans	Orleans	Louisiana
PIERSON, CLARENCE	Natchitoches	Natchitoches	Louisiana
PINER, FRANK E.	Denton	Denton	Texas
§PORTER, SIDNEY D.	Amite City	Tangipahoa	Louisiana
POWELL, JAS. L.	Cottondale	Jackson	Florida
†PRICE, ABEL JAS.	Gibson	Terrebonne	Louisiana
RAPPANNIER, ERNEST A.	New Orleans	Orleans	Louisiana
READ, WM. K.	Texarkana	Bowie	Texas
*REGARD, EMIL.	Mansura	Avoyelles	Louisiana
RHETT, PIERRE S.	Charleston	Charleston	South Carolina
SANDERS, ROBT. D.	Wytheville	Wythe	Virginia
SAUTER, CHAS. F.	New Orleans	Orleans	Louisiana
SCOTT, JOS. T. JR.	New Orleans	Orleans	Louisiana
SCOTT, SAMUEL A. (M. D.)	Grand Lake	Chicot	Arkansas
SEARLES, AUSTIN D.	Minooka	Grundy	Illinois
SEELIGER, RICHARD P. (M. PH.)	New Orleans	Orleans	Louisiana
SIESS, ISAAC E.	Alexandria	Rapides	Louisiana
SIGUR, GUSTAVE A.	Franklin	St. Mary	Louisiana
SILLAN, A. PIERRE	Baldwin	St. Mary	Louisiana
§SIMS, EATON K.	Donaldsonville	Ascension	Louisiana
SMITH, HUGH A.	Ruston	Lincoln	Louisiana
SMITH NEULAN B.	Ellisville	Jones	Mississippi
SMITH, RISDON W.	Dubberly	Webster	Louisiana
*SOUCHON, MARION	New Orleans	Orleans	Louisiana
STEWART, DANIEL M.	Argyle	Denton	Texas
†STIRLING, LOUIS G.	Converse	West Feliciana	Louisiana
THORINGTON, THOS. C.	Montgomery	Montgomery	Alabama
TURNEY, FRED. (M. PH.)	New Orleans	Orleans	Louisiana
WAAS, W. THEO.	Fernandina	Nassau	Florida
WADDINGTON, WALTER J.	Winona	Montgomery	Mississippi
WALL, RICHARD A.	Forest Home	Butler	Alabama
WHITFIELD, SIDNEY T.	Carthage	Hale	Alabama
WILKINSON, DAVID L.	Prattville	Autauga	Alabama
YORK, WM. E.	Giddings	Lee	Texas
YOUNG, HENRY M.	Baker	E. Baton Rouge	Louisiana
YOUNG, ROY O.	Youngsville	Lafayette	Louisiana

*Resident students in the Charity Hospital.
§Externes in the Charity Hospital.
†Resident students in the Touro Infirmary.

GRADUATES IN PHARMACY.—II.

NAMES.	POSTOFFICE.	COUNTY.	STATE.
ADAMS, JAS. OGILVIE	New Orleans	Orleans	Louisiana
BABIN, WALLACE J.	St. Gabriel	Iberville	Louisiana
BALTAR, JOSEPH T.	New Orleans	Orleans	Louisiana
CODE, JAS. F.	New Orleans	Orleans	Louisiana
DIEZ, EMILE T.	New Orleans	Orleans	Louisiana
DOMINIQUE, ALBERT P., JR.	New Orleans	Orleans	Louisiana

NAME.	PRECEPTORS.	COUNTY.	STATE.
†ENGELBACH, THEODORE	New Orleans	Orleans	Louisiana
KENNEDY, ALVIS B.	Bonham	Fannin	Texas
KLEE, EDW. JAS.	New Orleans	Orleans	Louisiana
RELIMPIO, MANUEL R.	New Orleans	Orleans	Louisiana
WARREN, JOHN L.	Clayton	Barber	Alabama

† Graduated also in medicine.

TOTAL MATRICULATES OF THE SESSION OF 1893-94—377.

MEDICAL STUDENTS—347.

NAMES.	PRECEPTORS.	STATE.
ABRAMSON, LOUIS	Dr. H. S. Olliphant	Louisiana
ACHEE, ANDREW C.		Louisiana
ALDRICH, ROBERT H.	Dr. R. de Montluzin	Louisiana
ALISON, JACOB S.	Shreveport Charity Hospital	Louisiana
ALLEN, SAMUEL L. (M. D.)	Louisville Medical College, 1892	Louisiana
ALLMON, ROLLO B.	Dr. J. E. Allmon	Alabama
ANDERSON, JAS. B.	Dr. W. H. Barr	Mississippi
ANDERSON, REUBEN B. (M. D.)	Dr. D. M. Anderson	Texas
ANDERSON, WILLIAM B. (M. D.)	Dr. R. B. Anderson	Texas
ANGELL, SAM'L M., JR.	Dr. S. M. Angell	Louisiana
*BABIN, ARTHUR J.	Dr. O. G. Browne	Louisiana
BAKER, ERNEST B.		Louisiana
BAKER, MARK DEL.	Dr. Brown	Texas
BALDRIDGE, FELIX E.	Charity Hospital	Alabama
BARNETT, JACOB	Dr. Geo. S. Bel	Louisiana
BARRIOS, BERNABE	D. J. J. Laurans	Mexico
BARTHET, LEON (M. PH.)	Med. Dept. Tulane University	Louisiana
*BATCHELOR, JAS. M.	Dr. A. A. Batchelor	Louisiana
BEAN, WALTON L.	Dr. J. M. Bean	Alabama
BEAN, WHITFIELD B.	Dr. J. M. Bean	Alabama
BEAUCHAMP, A. T. B. (M. D.)	Med. Dept. Tulane University, 1887	Texas
BEAVERS, JOHN HENRY	Dr. J. L. Beavers	Mississippi
BECKMANN, ALVIN	Drs. A. and P. Beckmann	Texas
BECNEL, MARIE O.	Dr. L. M. Provosty	Louisiana
BELLENGER, PAUL	Dr. B. L. Culley	Mississippi
BENSON, THOS. B.	Dr. C. H. Ramsay	Mississippi
BERING, ROBT. E.	Dr. J. M. Boyles	Texas
BETHEA, JNO. W.	Dr. R. C. Bethea	Mississippi
BETTS, WM. R. (PH. G.)	New York College of Pharmacy	Louisiana
BILLINGTON, FRANK L.	Dr. S. M. Angell	Louisiana
*BIRD, URBAN S.	Dr. L. W. Weedon	Louisiana
BISHOP, WALLACE R.	Dr. B. B. Simms	Alabama
BOAGNI, CHAS. F.	Dr. Vincent Boagni	Louisiana
*BOREY, CHAS. A.	Charity Hospital	Louisiana
BOYER, JNO. H.	Med. Dept. Tulane University	Louisiana
BRANYON, WM. D.	Dr. A. K. Collins	Texas
BREAUX, OSCAR J.	Charity Hospital	Louisiana
BREAUX, THOS. W.	Dr. J. T. Bringier	Louisiana
BRICKELL, WELHAM P.	Dr. F. H. Brickell	Louisiana
BRIGHT, DAVID W. (M. D.)	Kentucky School of Med., 1877	Arkansas
BROCK, JAS. M.	Dr. J. J. Alford	Louisiana
BROOKES, ROBT. C.	Med. Dept. Tulane University	Texas
BROWN, EDW. FLOYD	Vanderbilt University	Mississippi
BROWN, JOS. J.	Dr. Castellanos	Louisiana
BROWN, ROBT. A.	Dr. L. A. Ellison	Mississippi

NAMES.	PRECEPTORS.	STATE.
BURDITT, JESSE B.	Dr. F. R. Martin	Texas
BURLESON, JNO. HILL (M. D.)	Missouri Medical College, 1890	Texas
BUSH, CHAS. ROBY	Dr. B. T. Jones	Mississippi
BUSH, RUFUS C.	Dr. J. Hope Lamb	Louisiana
BUTLER, ARTHUR H.	Dr. B. A. Littell	Louisiana
BUTLER, JAS. E.	Tulane University, 1891-92	Texas
BUTTERWORTH, WM. W.	Charity Hospital	Louisiana
CAIRE, NEMOURS (M. PH.)	Dr. Arthur Caire	Louisiana
CALHOUN, WM. W.	Drs. Mandeville and Maylie	Louisiana
§CAPDAU, JNO. ERNEST	Dr. Rudolph Matas	Louisiana
*CARNES, WILLIE A.	Dr. B. D. Watkins	Mississippi
CARRUTH, WM. L.	Dr. A. A. Carruth	Louisiana
CARSON, MARCUS F.	Dr. L. G. Hardman	Georgia
CARTER, PRENTISS A.	Dr. T. B. Ford	Mississippi
§CAZENAVETTE, LIONEL L.	Dr. H. Kelly	Louisiana
CHEEK, LANDON C. (M. D.)	Charity Hospital	Mississippi
CHOPPIN, ARTHUR R.	Dr. Wm. Schuppert	Louisiana
CLARKSON, ADDIE W.	Dr. A. T. Beauchamp	Texas
CLOUD, J. N. D. (M. D.)	University of Louisville	Florida
COCKERHAM, HENRY E.	Dr. H. S. Cocram	Louisiana
COMPTON, RUFUS B.		Texas
COMPTON, WILLIE J.	Dr. J. C. Jarrett	Texas
CONN, JNO. P.	Dr. W. Weathersby	Mississippi
CONNELLY, FRANK L.	Dr. A. Weber	Louisiana
COURET, J. MAURICE	Dr. W. E. Parker	Louisiana
COWART, JAS. W.	Med. Dept. Tulane University	Georgia
COX, JAS. W.	Dr. B. W. Watson	Alabama
CRONIN, PHILIP H.	Dr. T. M. Colley	Texas
CULPEPPER, MALLORY B.	Dr. C. L. Culpepper	Louisiana
DANIEL, WM. A.	Dr. S. M. Brown	Texas
DANJEAN, EDGAR J.	Med. Dept. Tulane University	Louisiana
DAVIS, ROBT. M.	Dr. J. W. Davis	Alabama
DE NUX, EMERIC, JR.	Dr. E. de Nux	Louisiana
DE POORTER, LIEVEN	Dr. J. L. Deslattes	Louisiana
DEVRON, JNO. A.	Dr. G. Devron	Louisiana
DILDY, JOS. E.	Dr. R. L. Raby	Texas
DILLON, J. R. MARMADUKE	Med. Dept. Tulane University	Louisiana
DIXON, CHAS. B.	Dr. J. T. Beasley	Texas
DOLSON, FRED. R.	Dr. S. L. Mudd	Michigan
DUCROS, LOUIS A.	Dr. L. E. Fondriac	Louisiana
DUFOUR, CHAS. F.	Dr. H. Olliphant	Louisiana
DUPUY, HOMER J.	Dr. T. J. Woolf	Louisiana
§DUREL, JOS. W.	Med. Dept. Tulane University	Louisiana
EADS, FRANKLIN C.	Dr. B. F. Eads	Texas
EASLEY, REUBEN C.		Texas
ELLIOTT, JNO. B., JR.	Dr. Jno. B. Elliott	Louisiana
EMMER, WM. J. (M. PH.)	Dr. Thos. Hebert	Louisiana
EMORY, GEO. W.	Dr. A. Y. Emory	Alabama
‡ENGELBACH, THEODORE	Dr. O. Czarnowski	Louisiana
FERGUSON, AUGUSTUS D.	Dr. J. L. Dean	Texas
FERGUSON, SAM'L B.	Dr. H. L. Matthews	Texas
FOLKES, HYMAN M.	Dr. W. E. Todd	Mississippi
FULSON, JAS. K.	Med. Dept. Tulane University	Mississippi
GARDINER, CHAS. A.	Dr. Benj. Guilbeau	Louisiana
*GATES, STERLING J.	Charity Hospital	Louisiana
§GAUDET, AMBROSE B.	Dr. Chas. Chassaignac	Louisiana
GAUDIN, LOUIS A.	Dr. P. M. Lambremont	Louisiana
GEBELIN, JNO. JOS.	Dr. S. L. Theard	Louisiana
§GELPI, PAUL J., JR.	Dr. Edm. Souchon	Louisiana

NAMES.	PRECEPTORS.	STATE.
GENELLA, A. J. K.	Dr. P. E. Archinard	Louisiana
GEORGE, LEE C.	Drs. Hilton and Forsythe	Louisiana
GERON, THOS. C.	Drs. Hooks and Bedford	Texas
*GESSNER, HERMANN B.	Charity Hospital	Louisiana
GILL, ELLIS W. (M. D.)	Med. Dept. Tulane Univ., 1892	Louisiana
GILLAM, JNO. R.	Dr. R. L. Smith	Texas
GOHLMAN, WM. H.	Dr. W. R. Eckhardt	Texas
GOUDCHAUX, CHAS. A.	Dr. V. C. Reynolds	Louisiana
§GOULD, ALEX.	Dr. E. A. Holland	Canada
GRACE, WM. L.	Dr. W. E. Barker	Louisiana
GRAVES, CULLEN P.	Dr. J. T. Stephens	Texas
GRAVES, EDWIN	Dr. R. L. Raby	Texas
GREATHOUSE, JAS. A.	Dr. R. T. Hart	Louisiana
GREEN, EVERETT LEE	Dr. J. M. Dampeer	Mississippi
GREFF, HENRY (M. PH.)		Louisiana
†GREMILLION, C. J.	Dr. C. J. Ducote	Louisiana
GRIFFIN, RICHARD W.	Dr. J. F. Griffin	Tennessee
GRISSOM, THOS. S.	Dr. J. S. Black	Texas
GUSTINE, STEPHEN D.	Louisiana University	Louisiana
HAAS, A. MARSHALL	Dr. W. D. Haas	Louisiana
HAGEN, ARTHUR R.	Dr. Odell	Texas
HALEY, JAS. FARRAR	Dr. H. C. Ghent	Texas
HALL, HARRY D.	Dr. L. F. Reynaud	Louisiana
HALL, ROWLAND J.	Louisville Med. College	Texas
HAMILTON, NOBLE E.	Dr. F. M. Thigpen	Alabama
HANSON, TUITE H.	Dr. Jno. D. Hanson	Louisiana
HARMAN, FRANCIS R.	Dr. R. C. Webb	Louisiana
HARPER, WM. W. (M. D.)	Med. Dept. Tulane Univ., 1891	Alabama
§HARRIS, JAS. T.	Dr. S. C. Weeks	Louisiana
HARRISON, JILSON P., JR.	Dr. F. W. Parham	Louisiana
HARTLEY, FRANK J.	Dr. C. B. Diebold	Louisiana
HAVA, FRANCIS	Dr. Adrian Hava	Louisiana
HEBERT, GASTON A.	Dr. N. M. Hebert	Louisiana
HERRING, SAM'L R.	Dr. D. A. Jackson	Arkansas
HEUSNER, KARL	Med. Dep. Tulane University	Br. Honduras
HILL, THOS. F.	Dr. John Callan	Louisiana
HILTON, ROBT. A.	Kentucky School of Medicine	Mississippi
HODGE, BOYD L.	Dr. J. F. Hodge	Louisiana
HOFFPAUIR, MANASSEH L.	Charity Hospital	Louisiana
HOGG, ROBT. N.	Dr. J. N. Hogg	Georgia
HOOKS, JAS. M.	Dr. J. F. Hooks	Texas
HORSLEY, JOS. S.	Dr. J. S. Horsley	Georgia
HUBERT, JOS. M. (M. PH.)	Dr. A. L. Metz	Louisiana
HUEY, THOS. W.	Dr. R. W. Huey	Mississippi
HUNTER, JOSIAH I. (M. PH.)	Tulane University	Louisiana
HYLAND, CLAIBORNE S.		Mississippi
JOHNSON, MCWILLIE	Dr. R. B. Johnson	Mississippi
JONES, HAMILTON, P.	Prof. Jos. Jones, M. D.	Louisiana
JONES, REID V.	Dr. S. T. Dunning	Mississippi
JONES, ROBT. LEE	Dr. William D. Harper	Louisiana
KARABACEK, W. ALBERT		California
KELLY, EDW. S. (M. PH.)	Tulane University	Louisiana
KENDRICK, JNO. A.	Dr. J. C. Kendrick	Alabama
‡KENNEDY, ALVIS B.	Dr. J. T. Kennedy	Texas
KENNEY, JNO. W.	Med. Dept. Tulane University	Texas
KENNON, CHAS. E.	Med. Dept. Tulane University	Louisiana
KEPLINGER, LEONARD	Dr. E. W. Jones	Louisiana
KILPATRICK, WM. S.	Dr. T. G. Ivy	Mississippi
*KING, ALF. C.	Charity Hospital	Louisiana

NAMES.	PRECEPTORS.	STATE.
KING, GEORGE WILEY	Drs. Shute and Duson	Louisiana
KING, JNO. C.	Tulane University	Louisiana
KIRKPATRICK, MILTON B.	Dr. F. M. T. Tankersley	Alabama
LAMONT, DUNCAN	Davidson College	North Carolina
LANDRY, ADRIAN A.	Dr. L. H. Viallon	Louisiana
LANIER, NICHOLSON C.	Dr. W. E. Parker	Louisiana
LAVIGNE, BASILIDE (M. PH.)	Dr. J. J. Castellanos	Louisiana
LAW, WM. LAMAR	Dr. John Dixon	Alabama
LAWLESS, JNO. A.	Dr. A. J. Weathered	Texas
LAZARD, JULES L.		Louisiana
LEBLANC, P. HOA	Dr. E. Souchon	Louisiana
LEBRETON, EMANUEL	Dr. C. Diebold	Louisiana
LEMOINE, BLUMES J.	Dr. C. J. Ducote	Louisiana
LENOIR, JAS. L., JR.	Dr. J. T. Parker	Mississippi
LERCH, OTTO	Med. Dept. Tulane University	Louisiana
§LESCALE, J. FERNAND	Dr. E. T. Dugas	Louisiana
LEVERT, ELOI M.	Dr. A. A. Allen	Louisiana
LEVERT, MARK WM.		Louisiana
LEVY, S. CUTHBERT	Dr. W. E. Barker	Louisiana
LEWIS, HENRY L. (M. D.)	Louisville Med. College, 1892	Mississippi
LICHTENHELDT, AUGUST H.	Med. Dept. Tulane University	Louisiana
LITTELL, THEO. H.	Dr. B. A. Littell	Louisiana
LOCKEY, ROBT. P.	Dr. S. B. Jenkins	Florida
LONG, CLARENCE H.	Dr. Parham	Alabama
LONG, WILL	Dr. H. L. Brannon	Alabama
LOVELL, JOS. M.	Charity Hospital	Mississippi
LUCKIE, HAMILTON	Dr. F. M. Thigpen	Alabama
LUNN, VASTINE C.	Dr. W. W. Lunn	Texas
LYNCH, WM. M.	Dr. A. W. Smyth	Louisiana
LYONS, WENCESLAUS L.	Dr. S. Theard	Louisiana
MCBRIDE, JNO. S. (M. D.)	Louisville Medical College, 1886	Louisiana
MCBRIDE, ROBT. E.	Dr. H. Dansereau	Louisiana
MCCAIN, CLARENCE M.	Dr. H. H. McCain	Louisiana
MCCALLUM, TORREY G.	Dr. S. G. Laughridge	Mississippi
MCCLAIN, JNO. K. (M. D.)	Louisville Medical College, 1878	Arkansas
MCCREARY, MARCELLUS	Dr. J. A. McCreary	Alabama
MCGAUGHY, JNO. C.	Dr. H. W. Brown	Texas
MCGOLDRICK, JAS.	Dr. W. A. Boylston	Louisiana
MCGOWAN, GEO. C.	Dr. J. F. Moore	Mississippi
§MCGRANE, CHAS. J.	Dr. A. Noha	Louisiana
MCLEOD, NORMAN A.	Dr. A. C. Bramlit	Mississippi
MCREE, F. VERSIE	Dr. L. Sexton	Mississippi
MAESTRI, ANGELO	Dr. P. J. Behrend	Louisiana
MALONEY, LOUIS J.	Dr. J. D'Aquin	Louisiana
MARCOUR, RAPHAEL O.	Tulane University	Louisiana
MARTIN, JOS. S.	Dr. H. DeMahy	Louisiana
MATTHEWS, CILTON C.		Louisiana
MAYFIELD, SURRY F.	Dr. Jas. Trimm	Alabama
MEEK, JNO. W. (M. D.)	New Orleans School Med., 1870	Arkansas
MENDENHALL, THOS. J.	Dr. Geo. O. Marsh	Arkansas
MILLS, THOS. L., JR.	Dr. T. L. Mills	Louisiana
MIMS, DAVID D.	Dr. Robt. D. Webb	Louisiana
MIOTON, S. FITZHUGH	Dr. J. N. Charbonnet	Louisiana
MONLEZUN, JNO. (M. PH.)	Dr. R. Matas	Louisiana
MOORE, JAS. R.	Dr. Jas. M. Hamilton	Louisiana
MOORE, JOS. F. (M. D.)	University of Louisiana, 1855	Mississippi
MOORE, JOS. F., JR.	Dr. J. F. Moore	Mississippi
MOORE, THOS. W.	Dr. W. W. Lunn	Texas
MORGAN, CHAS. M.	Drs. Meek and Dawson	Arkansas

NAMES.	PRECEPTORS.	STATE.
MORRIS, ROBT. T.	Charity Hospital	Texas
MUNDAY, C. PEARL	Dr. J. C. Munday	Louisiana
MURPHY, GEO. W.	Med. Dept. Tulane University	Louisiana
NAIL, WM. R. (M. D.)	Med. Dept. Tulane University, 1891	Texas
*NELSON, EDW. B.	University of Pennsylvania	Michigan
NELSON, WM. W., JR.	Dr. E. B. Blocker	Texas
NEWELL, EDW. D.	Tulane University	Louisiana
NICHOLSON, WM. B. R.	Dr. M. Nicholson	Georgia
*NORSWORTHY, OSCAR L.	Dr. T. M. Stone	Texas
NORTHROP, SAM'L G. (M. D.)	Med. Dept. Tulane University, 1888	Texas
ODOM, THOS. B.	Dr. S. S. Nettles	Louisiana
OECHSNER, JNO. F.	Charity Hospital	Louisiana
OLIVER, WM. H. (M. D.)	Tulane University, 1890	Texas
§PABST, OSCAR	University of Virginia	Texas
PAGES, RAMON V.	Dr. R. Matas	Cuba
PAINE, RUFFIN B. (M. D.)	Med. Dept. Tulane Univ., 1888	Louisiana
PARIS, WALTER E.	Dr. E. P. Horn	Florida
PARKER, CARY KEY	Dr. A. A. Forsythe	Louisiana
PARR, ANDREW B. (M. D.)	Keokuk Med. College, 1892	Texas
*PARROTT, JAS. M.	University of Maryland	North Carolina
PARSONS, HENRY J.	Dr. J. W. Allen	Louisiana
PAXTON, ELISHA		Mississippi
§PERKINS, W. M.		Louisiana
PERRAULT, EDW. J.	Dr. B. D. Watkins	Mississippi
PETERSEN, FRED. C.	Dr. D. Bornio	Louisiana
PETERSON, EDW. W.		Louisiana
PIERSON, CLARENCE	Med. Dept. Tulane University	Louisiana
PINER, FRANK E.	Dr. J. M. Inge	Texas
PORTER, SIDNEY D.	Dr. J. S. Branch	Louisiana
POWELL, JAS. L.	Med. Dept. Tulane University	Florida
POWERS, EDW. O.	Dr. Howard S. Olliphant	Louisiana
P'POOL, MATTHEW W.	Dr. Frank E. P'Pool	Texas
PRAY, ALFRED A.	Med. Dept. Tulane University	Louisiana
PREIS, EDW. BURKE	Med. Dept. Tulane University	Louisiana
PRICE, ABEL J.	Med. Dept. Tulane University	Louisiana
PRIDE, WM. THOS.	Atlanta Medical College	Alabama
PRINCE, SHEA E.	Shreveport Charity Hospital	Louisiana
RAMAGE, CHAS. L. (M. D.)	Tulane University, 1891	Louisiana
RAPPANNIER, ERNEST A.	Dr. J. N. Charbonnet	Louisiana
READ, WM. K.	Dr. R. W. Read	Texas
REGARD, EMIL	Charity Hospital	Louisiana
*RENAUD, EDWIN C.	Med. Dept. Tulane University	Louisiana
RHETT, PIERRE SAUVE	University of Virginia	South Carolina
RICHARD, GERASIME	Dr. B. Guilbeau	Louisiana
§RICHARDSON, THOS. FARRAR	Tulane University	Louisiana
ROBERTSON, ALEX. R.	Dr. T. J. Buffington	Louisiana
ROBINSON, LEWIS	Dr. L. L. Hill	Alabama
ROUSSEAU, ALBERT F.	Dr. Ed. Souchon	Louisiana
§ROUSSEL, J. NUMA	Dr. W. D. Roussel	Louisiana
ROUX, PAUL	Dr. J. H. Bemiss	Louisiana
RUSSWURM, SAM'L C.	Dr. W. C. Russwurm	Mississippi
RUSSWURM, WM. C. (M. D.)	Med. Dept. Tulane Univ., 1890	Mississippi
ST. JULIEN, PAUL D.	Tulane University	Louisiana
SANDERS, ROBT. D.	Univ. Va. and Tulane Univ.	Virginia
SANSING, CAMPBELL	University of Virginia	Texas
SAUTER, CHAS. F.	Dr. Matas	Louisiana
SAUTER, EMILE (M. PH.)	Dr. Chas. Chassaignac	Louisiana
SCOTT, EDW. E.	Dr. Bat. Smith	Texas
SCOTT, E. JULIENNE	Dr. T. A. Harris	Mississippi

NAMES.	PRECEPTORS.	STATE.
SCOTT, JOS. T., JR.	Dr. J. T. Scott	Louisiana
SCOTT, SAM'L A. (M. D.)	University of Louisville, 1877	Arkansas
SCURLOCK, CLAUDE L.	Dr. W. H. Blythe	Texas
SEARLES, AUSTIN D.	Dr. Jas. S. Watson	Illinois
SEELIGER, RICHARD PAUL (M. PH.)	Dr. O. R. Grube	Louisiana
SHARP, J. SIDNEY	Drs. Sharp and Mims	Mississippi
SHAW, ROBT. H.		Louisiana
SHAW, WALLACE N.	University of the South	Texas
SIEKMANN, IVAN F. (M. D.)	Med. Dept. Tulane Univ., 1892	Louisiana
SIESS, ISAAC E.	Tulane University	Louisiana
SIGUR, GUSTAVE A.	Dr. B. F. Holmes	Louisiana
SILLAN, A. PIERRE	Dr. R. W. Beers	Louisiana
SIMMS, E. KITTREDGE	Medical Dept. Tulane Univ.	Louisiana
SINTES, FRANK P.	Dr. Geo. S. Bel	Louisiana
SMITH, HUGH ANGUS	Dr. H. T. Smith	Louisiana
SMITH, NEULAN B.	Dr. S. O. Smith	Mississippi
SMITH, RISDON W.	Dr. Z. E. Bain	Louisiana
SOUCHON, MARION	Charity Hospital	Louisiana
SPENCER, DOSSEY O.	Tulane University	Louisiana
SPLANE, ALEX. J.	Dr. W. J. Offutt	Louisiana
STEWART, DANL. M.	Dr. Thomas Odell	Texas
STILES, JNO. C.	Dr. R. G. Lane	Texas
STIRLING, LOUIS G.	Dr. Jas. Leake	Louisiana
STONE, CHAS. P.	Dr. T. J. Buffington	Louisiana
SULLIVAN, CHAS. G.	Medical Dept. Tulane Univ.	Mississippi
SUMMERALL, WM. B.	Dr. R. A. Kinloch	Florida
SWINDALL, FREDERICK W. (M. D.)	Medical Dept. Tulane Univ., 1892	Texas
TACKABERRY, ARTHUR L.	Dr. J. J. Canon	Texas
*TEBAULT, CHRIST. H., JR.	Dr. C. H. Tebault	Louisiana
TERRELL, VERNON L., JR.		Mississippi
THAGARD, ROBT. A.	Dr. F. N. Thigpen	Alabama
THIBODAUX, PAUL T.	Drs. Thibodaux and Fleetwood	Louisiana
THOMPSON, FELIX H.	Dr. A. E. Thompson	Mississippi
THOMPSON, FRANK	Dr. H. F. O'Beirne	Louisiana
THORINGTON, THOMAS C.	University of Virginia	Alabama
TURNER, ROBERT L. (M. D.)	Medical Dept. Tulane Univ., '91	Mississippi
TURNEY, FRED. (M. PH.)	Dr. A. McShane	Louisiana
VERGEZ, JNO. F.	Dr. F. Loeber	Louisiana
VIERS, EMMETT L.		Louisiana
WAAS, W. THEO.	Dr. T. D. Palmer	Florida
WADDELL, PRESTON E.	Dr. D. S. Waddell	Louisiana
WADLINGTON, WALTER J.	Dr. G. I. Redditt	Mississippi
WAGATHA, CHAS. J.		Louisiana
*WALET, EUGENE H., JR.	Dr. Edmond Souchon	Louisiana
WALL, RICHARD A.	Dr. C. Wall	Alabama
†WATKINS, THOS. H.	Dr. W. H. Watkins	Mississippi
WEBB, ROBT. D. (M. D.)	Med. Dept. Tulane Univ., 1892	Louisiana
WEBB, WM. PARKS	Dr. E. Gallaway	Texas
WEIS, JOS. D.	Dr. Souchon	Louisiana
WELCH, WALTER C. (M. D.)	Texas Medical College, 1881	Texas
WESTMORELAND, CHAS. W.	Dr. Ledbetter	Mississippi
WHITE, JOS. A. (M. D.)	Med. Dept. Univ. of Tenn., 1886	Arkansas
WHITFIELD, SIDNEY T.	Dr. Francis M. Peterson	Alabama
WIECK, JNO. A.	Dr. Thos. J. Buffington	Louisiana
WILKINSON, DAVID L.	Dr. J. E. Wilkinson	Alabama
WILLIAMS, HENRY E. (M. D.)	Med. Dept. Tulane Univ., 1886	Arkansas
§WINN, R. SEMPLE	Dr. W. N. Stewart	Louisiana
WOODSON, JAMES M. (M. D.)	Med. Dept. Tulane Univ., 1891	Texas
WYLIE, DAVID C.	Dr. J. J. Williamson	Texas

NAME.	PRECEPTORS.	STATE.
†YENNI, ALBERT S.	Dr. C. S. Mercier	Louisiana
YORK, WM. EDW.	Drs. Fields and Geyer	Texas
YOUNG, EDW. B.	Dr. I. T. Young	Louisiana
YOUNG, FRANCIS A. (M. D.)	Kentucky School Med., 1891	Texas
YOUNG, HENRY M.	Dr. Jos. Jones	Louisiana
YOUNG, ROY ODO	Dr. N. D. Young & Houston Infy.	Louisiana
ZULCH, JULIUS (M. D.)	Med. Dept. Tulane University, 1890	Texas

* The fourteen resident students of the Charity Hospital.
§ The fourteen externes of the Charity Hospital.
† The three resident students of the Touro Infirmary.
‡ The two medical students who were also pharmacy students.

PHARMACY STUDENTS—30.

NAMES.	PRECEPTORS.	STATE.
BABIN, WALLACE J.	Mr. Robert Jackson	Louisiana
BAILEY, WM. E.	E. J. Hart & Co.	Louisiana
BALTAR, JOS. T.	Wright's Pharmacy	Louisiana
BERGIN, EDW. M.	Mr. C. Even	Louisiana
BRUCE, EDW. F.	Mr. Paul Freund	Florida
BURGES, RICHARD J., JR.	Mr. P. J. Burges	Texas
CHARBONNET, GUESNON P.	Mr. L. C. Peres	Louisiana
CIER, EDW. P.	Dr. A. L. Metz	Louisiana
CODE, JAS. F.	Mr. E. F. Hayes	Louisiana
COHEN, HARRY	Mr. G. Kann	Mississippi
CRAWFORD, WALTER W.	Mr. W. C. Lethermann	Mississippi
DELACROIX, J. LEONCE	Mr. James A. Lee	Louisiana
DIEZ, EMILE T.	Mr. L. B. Diez	Louisiana
DOMINIQUE, ALBERT P., JR.	Mr. Wm. Bogel	Louisiana
FERRY, ALBERT J.	Mr. A. C. de Monsabert	Louisiana
JACKSON, ROBT.	Mr. Wm. Voelker	Louisiana
KLEE, EDW. J.	Touro Infirmary	Louisiana
LEVY, LOUIS F.	Mr. Wm. M. Levy	Louisiana
LOPEZ, CHAS. A.	Mr. L. P. Sahuque	Louisiana
LOWENSTEIN, MISS AUGUSTA	Dr. A. L. Metz	Louisiana
MAJEAU, JNO. H.	Mr. M. Majeau	Louisiana
MARY, JAS. THOS.		Louisiana
PETERSON, JAS. J.	Goldthwaite & Son	Louisiana
PLATTENBURG, WM. W.		Texas
RELIMPIO, MANUEL R.	Mr. P. L. Cusachs	Louisiana
SAUVINET, CHAS. D.	Mr. J. A. Legendre	Louisiana
VARNADO, WILLIE H.	Mr. Wm. Jones	Mississippi
WARREN, JNO. L.	Dr. B. S. Warren	Alabama
WEILBACHER, FRANK E.	Dr. P. Michinard	Louisiana
WILSON, PETER	Mr. P. L. Cusachs	Louisiana

In addition to the above thirty pharmacy students, two medical students took also the course in pharmacy, making a total of thirty-two pharmacy students.

SUMMARY OF 377 STUDENTS.

Number of medical students	316	
Number of M. D.'s ordinary medical students	7	—323
Number of M. D.'s gratuitous	24	
Number of pharmacy students	30	— 54
Total		377

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